

Contact

Ex. 6 Personal Privacy (PP)

Top Skills

Microscopy

Nanotechnology

Materials Science

Melissa Lunden

Chief Scientist at Aclima, Inc.

San Francisco Bay Area

Experience

Aclima, Inc.

7 years 6 months

Chief Scientist

June 2016 - Present (5 years)

San Francisco Bay Area

Senior Atmospheric Scientist

December 2013 - June 2016 (2 years 7 months)

San Francisco

Lawrence Berkeley National Laboratory

Staff Scientist

October 1998 - November 2013 (15 years 2 months)

Sandia National Laboratories

Postdoctoral Research Associate

June 1995 - July 1998 (3 years 2 months)

Education

California Institute of Technology

Doctor of Philosophy (PhD), Mechanical Engineering · (1988 - 1995)

Texas Tech University

Bachelor of Science (BS), Mechanical Engineering · (1983 - 1987)



EPA ARP Grant Competition - Quality Assurance Statement

Measurements provide the foundation for understanding, evaluating, and managing the impact of pollutant emissions sources on air quality, health, and the ecosystem. Three components are necessary for a measurement to have meaning: the numerical value reported by the measurement device, units of the measurement (e.g., ppb, ppm, ug/m³), and an uncertainty estimate (including but not limited to accuracy and precision). Aclima has developed an extensive four-level quality assurance program to monitor and assess performance of our mobile and stationary measurements to ensure the highest quality data possible. 1) Thorough evaluation and calibration of the instruments, before and after deployment, against reference methods¹ under real-world driving conditions as well as assessment of performance relative to regulatory monitoring stations during deployment and 2) Evaluation of data quality where the time resolved (1-Hz) measurements are evaluated during and after the project period is completed. Aclima also evaluates performance of our aggregated data product in our hyperlocal maps, referred to as platform level evaluation, 3) Comparison to appropriate regulatory stations measurements after final data validation, and 4) Scientific evaluation, ensuring multivariable spatial and temporal trends are consistent with scientific atmospheric understanding.

Aclima's primary measurement and mapping objective is to generate scientifically-valid, high quality data of ambient air quality and greenhouse gas measurements at high spatial and temporal resolution with well characterized uncertainty. Aclima's research and related peer-reviewed scientific publications ([Apte et al. 2017](#), [Messier et al. 2018](#), [Guan et al. 2020](#), [Chambliss et al. 2020](#)) have shown that mobile measurements can create precise estimates of persistent air pollution and greenhouse gas levels at high spatial resolution. Aclima's cutting-edge proprietary multipollutant, mobile air quality devices include CO, CO₂, NO₂, O₃, black carbon (BC), and PM_{2.5}, allowing users to distinguish differences in pollutant concentrations at the city block level, enabling the identification of localized areas of persistent high pollution. Aclima also measures relevant parameters for systems diagnostics. Aclima's measurements across a range of communities and other studies have shown higher pollutant levels in disadvantaged communities, thus a greater risk of adverse health effects.

Aclima has developed Quality Assurance Plans (QAP) and Standard Operating Procedures (SOP) designed to produce the highest quality measurements with well characterized uncertainty. Aclima's mobile sensor Data Quality Objectives meet or exceed EPA's sensor performance guidance for PM_{2.5}, O₃, NO₂, and CO ([Williams et al., 2019](#); [Duvall et al., 2020](#); [Duvall et al., 2021](#)). EPA has not developed performance guidance for other pollutants measured by air pollution sensors.

Aclima's comprehensive device-level QAP provides performance statistics, such as bias, precision, and data completeness relative to reference methods¹ for pollutants at various measurement time intervals. Multi-level calibrations are performed before and after deployment to provide calibration factors that account for differences in environmental factors between sensor calibration and ambient measurements.

¹ FRM, FEM, laboratory-grade, or historically tested methods with well defined uncertainty over a wide range of conditions are used by Aclima as reference instruments for calibrating and evaluating precision and bias of sensors.

At the device level, sensors must meet strict Measurement Quality Objectives (MQOs) before deployment. Meeting MQOs then assures that Aclima meets overall project measurement objectives. To ensure that data of highest quality are used to develop our hyperlocal maps, all pollutant and supporting measurements undergo a rigorous three-phase data verification and validation process (Preliminary 1, Preliminary 2, Verified; . **Preliminary 1 data** validation and verification occurs continuously while data are collected. All 1-second data undergo an automated screening process to identify and flag invalid data resulting from sensor failure or collection outside of optimal environmental and physical operating conditions. In addition, all data are screened manually on a weekly basis to identify anomalies and other issues not identified by the automated screening process measurement. **Preliminary 2** data verification occurs in two steps, just before and after the end of the project period. In both steps, the dataset is evaluated as a whole for measurement anomalies that may not have been observed when reviewing weekly data. After the first step, sensors are re-calibrated and updated calibration coefficients are applied across the project period followed by a repeat review of the data. **Verified**, consists of a final review of the data after all calibrations or other changes have been applied. Once verified, the underlying device level data is final and not expected to undergo any further changes.

Subsequent to our measurement QA processes, Aclima evaluates the performance of the aggregated data product used in our hyperlocal maps, termed a platform level evaluation, which is a scientific review at the network level to further validate the results of our device level data review and to ensure multivariate spatial and temporal trends are consistent with scientific atmospheric understanding. Firstly, aggregated hyperlocal pollution data, for example median road segment concentrations are compared to equivalent concentrations reported by a regulatory station for data within a suitable distance from that site. . Secondly, the mean of measurements obtained for a single pass along a ~100 meter road segment are compared with the appropriate hourly averaged regulatory site data. The latter individual comparisons are averaged over the monitoring area for the monitoring period. These approaches result in estimates for bias (MBE, mean bias error) and precision (CRMSE - Centered root-mean-square error), which provide quantifiable measures of how well the aggregated mobile pollution concentrations agree with regulatory estimates of local concentrations.



March 23, 2022

Subject: ARP Grant Competition for Enhanced Community Air Monitoring

To Whom it May Concern:

On behalf of Aclima, I am pleased to provide this Partnership Letter for La Mujer Obrera's proposal being submitted in response to the US EPA's Enhanced Air Quality Monitoring for Communities Request for Applications: EPA-OAR-OAQPS-22-01. Aclima is thrilled to serve as the Technical Partner (Contractor) to support La Mujer Obrera's proposed community air monitoring campaign and advocacy efforts.

Aclima is building a global platform for local climate action that provides unprecedented transparency into emissions and their impacts. Powered by our ground-based network of roving and stationary sensors, Aclima's platform measures greenhouse gas emissions and air pollution with block-level resolution. Our software and advanced analytics translate and combine billions of data points with contextual data to support frontline communities. A Public Benefit Corporation, Aclima is committed to protecting public health, reducing climate-changing emissions, and advancing environmental justice. . We engage in ongoing validation of our novel approaches through independent verification, publication, and cooperative research agreements with leading research institutions. Examples include our cooperative research and development agreement with the U.S. EPA, and research partnerships with institutions like UT Austin, Carnegie Mellon, Stanford, and Lawrence Berkeley National Labs .

This project seeks support from the EPA to deploy a comprehensive air quality and emissions monitoring campaign on a block-by-block resolution in and around the community. The proposed monitoring campaign is designed to support the community with the data and transparency to advance their interests. Aclima will provide a verified baseline with analysis across transportation, environmental justice concerns, known pollution sources, and localized environmental justice screening. Aclima will provide multipollutant measurement, including carbon dioxide (CO₂), carbon monoxide (CO), nitric oxide (NO), nitrogen dioxide (NO₂), ozone (O₃), particulate matter (PM_{2.5}), black carbon, methane (CH₄), ethane, as well as conduct a regional toxics screen across the area. Data and reporting produced from these collection efforts will be hosted on a free, publicly available website and app for residents and anyone


from the general public. Aclima's public-benefit partnership model means Aclima will invest to deliver maximum benefits in support of community goals.

This integrated approach to community-based monitoring and reporting will provide the community with multiple benefits, including but not limited to:

- Comprehensive monitoring of community air quality through hyperlocal mapping of persistent air pollution levels on a block-by-block basis
- Comparison and validation with 3rd party air quality measurements
- Event-based alerting for methane and other critical pollutants
- Monitoring data that is publicly accessible and independent
- Creation of local jobs

We appreciate the opportunity to partner with La Mujer Obrera on this project. If you have any questions regarding this matter, please contact Katharine Pelzer at katharine.pelzer@aclima.io.

Sincerely,

A handwritten signature in black ink that reads "Davida Herzl". The script is cursive and fluid, with the first name "Davida" and last name "Herzl" clearly distinguishable.

Davida Herzl
CEO, Aclima Inc.



February 8, 2022

RE: Sole Source Justification

To Whom it May Concern:

As verified under public procurements of the Contractor (Aclima) by leading air regulatory agencies including the South Coast Air Quality Management District and the Bay Area Air Quality Management District in California, the Contractor provides a hyperlocal environmental data product that is wholly unique in the commercial market. In addition, the Contractor possesses unique experience and capabilities that are not available from any other vendor. Staff of these public agencies performed an extensive search of the market, and due diligence of the Contractor, and were unable to locate any other commercial vendor to perform the work. Therefore, the contractor passed the rigorous procurement policies of these agencies to be granted a sole source award.

Further, the project's data outputs can only be achieved with the Contractor's methodology, which involves the use of patented proprietary technology and methods. The Contractor has ownership of key assets required for project performance. The Contractor is also the only contractor capable of delivering hyperlocal PM, black carbon, and other criteria air pollution data with block-by-block resolution using a scalable, modular mobile platform that combines leading-edge sensor technology and machine learning to generate high-resolution maps.

The Contractor's proprietary sensor calibration, deployment, sampling architecture, and data handling are unique and serve the foundation of the community monitoring and analysis proposed in this grant application. This combination of technology and capabilities are not available from any other source commercially, therefore this justification for sole source award is consistent with regulation CFR 200.320 Sec (c)(3) *Noncompetitive procurement*.

Project Title: Chamizal Community Action Plan: a block-by-block, hyper-local air quality data collection and mitigation advocacy

Applicant Information: Centro Obrero Fronterizo/ La Mujer Obrera, 2000 Texas Ave. El Paso, TX 79901

Primary contact name: Lorena Andrade, (915) 588-2760, lorena@mujerobrera.org

DUNS number: 017599452

Community-based organization set aside: La Mujer Obrera has over 40 years of experience organizing in El Paso, Texas, founded in 1981 by women garment workers. Our geographic boundaries are defined by environmental hazards; our neighborhood sits north of an international bridge, east of a major interstate highway with heavy truck traffic, west of an industrial waste facility and train tracks and south a major highway, Interstate- 10. As one of the poorest neighborhoods in the nation and home to more than 7,000 residents, mostly immigrant families, the Chamizal neighborhood is located directly along the international border in El Paso. The recent U.S. Census data cites 96.9% of Chamizal residents are Latino/a, 92.8% are primarily Spanish speaking, 81.6% are low income, 58.1% of residents live below the poverty line and 68.3% of households with children under 18 are headed by women. As a women-led organization rooted in Mexican culture, our organizing efforts serve the most vulnerable and underrepresented residents in El Paso. Our organizing projects include Familias Unidas del Chamizal and Proyecto Verde. The majority of our members are low-income women living in El Paso and residents of Barrio Chamizal. Together, we are all involved in the planning, organizing and working together towards creating long-term and sustainable and collective change.

Brief description of Applicant Organization: La Mujer Obrera's mission is to develop and use our creative capacity to express the dignity and diversity of our Mexican heritage, from indigenous Mesoamerican roots to contemporary expressions, and to develop and celebrate our community through economic development, community building, community health, and civic engagement. Our organizing initiatives fuel our defense and nourish the solutions to issues surrounding our region. Familias Unidas del Chamizal, organizes the Chamizal community in order to defend the community and work on solving major problems, including environmental racism, improving public schools and housing. Through Proyecto Verde we promote community health by building on the neighborhood's existing knowledge-base and practice related to ancestral traditions, including healthy food growing & recipes, eco-friendly practices, traditional arts and creative expression. Our vision is to transform our community and our relationship with the Earth by organizing, planning and implementing culturally-empowering solutions on the border.

Partner Primary Contact Name: Katarine Pelzer, Aclima

Project Location: Barrio Chamizal, El Paso, TX, 79901 & 79905

AIR POLLUTANT SCOPE: carbon dioxide (CO₂), carbon monoxide (CO), nitric oxide (NO), nitrogen dioxide (NO₂), ozone (O₃), particulate matter (PM_{2.5}), black carbon, methane (CH₄), and ethane (C₂H₆)

EPA Funding Requested	Total Project Cost
\$ 500,000	\$ 500,000

PROJECT PERIOD: 3-years: August 2022-July 2025

Short Project Description: The proposed air monitoring campaign is designed to empower the Chamizal community by creating a mitigation plan armed with quantitative and qualitative data to protect the health of the residents of the neighborhood. The data will provide a verified baseline with analysis across transportation emissions, environmental justice concerns, known pollution sources, and localized environmental justice screening.

II. WORKPLAN:

SECTION 1- PROJECT SIGNIFICANCE:

El Paso is currently classified as nonattainment, exceeding ozone (smog) standards. El Paso is ranked #13 for highest ozone pollution in the U.S. worse than major cities like New York City, Chicago and Dallas. The Chamizal neighborhood is one of the most disenfranchised and polluted neighborhoods in the city, as a whole. The current data collected by state agencies is limited and misleading, as verified by our recent court proceedings to address the EPA's previous misclassification of attainment in El Paso, TX. "The EPA acknowledged the original analysis was flawed and reclassified El Paso as "marginal" nonattainment in November. El Paso is now in nonattainment for both ozone and PM10. 'It took us bringing a lawsuit to produce the facts. There is no one in the state of Texas looking out for our community when it comes to environmental hazards.'"¹ The current location of air monitoring in the Chamizal is deep within the Chamizal National Park, a federally designated protected green space on 55 acres. Yet, families and residents do not live in or near the national park, rather, the Chamizal neighborhood is filled with 7,000+ residents fending off heavy truck traffic from the international port-of-entry, a 124+ fleet bus hub, and two major industrial recycling facilities handling heavy metals, batteries and electronics and highly flammable industrial waste. Despite the environmental hazards apparent in the Chamizal neighborhood, when parents and residents have advocated for environmental protections, community claims are strategically dismissed or disregarded. The Chamizal has the highest concentration of pollutants and industry in a residential neighborhood "where trucks line up for miles, crossing goods back and forth across the border and smothering Barrio Chamizal in a blanket of haze."² Yet, to-date, no Environmental Impact Study or Environmental Health Impact Study has ever been conducted in our neighborhood. Researcher has found that "elementary schools in El Paso with more Hispanic students and students who received free or reduced price meals had the greatest exposure to hazardous air pollution."³

The Chamizal community consists of low-income Hispanic and mixed immigrant status families who face some of the worst levels of pollution in El Paso and "incur disproportionate exposures to air pollutants, pesticides and toxic industrial chemicals."⁴ Situated in between an industrial zone and a highway, the residents of this area are surrounded by various sources of pollution that affect their lives and risk their health. Particulate matter and ozone are two of the most prominent contaminants present in high levels in these neighborhoods. The EPA EJScreen Report indicates that our proposed area has more elevated levels of ozone than 77% of Texas and 81% of El Paso. The Chamizal area also has a higher amount of particulate matter than 63 % of Texas and 71% of El Paso. The levels of these two pollutants have already had harmful consequences for the Chamizal community. Due to their size, particulate matter can travel into the lungs and the heart causing significant damage. Exposure to unhealthy levels of these pollutants can cause respiratory diseases, decreased lung function, asthma, and even heart attacks². Ozone pollution also affects the lungs, making it difficult to breathe and damaging airways. The consequences of these contaminants can be seen through the percentages of residents in our community that have

¹ 'Neighborhood is treated like a dumping ground': Activists say Texas should own up to air pollution', Martha Pskowski, El Paso Times, Jan. 27, 2022.

<https://www.elpasotimes.com/story/news/2022/01/27/el-paso-teco-air-quality-index-pollution-ozone-enforcement-solutions/8814149002/>

² Sarah De Los Santos Upton, Carlos A. Tarin & Leandra H. Hernández (2021) Construyendo Conexiones Para Los Niños: Environmental Justice, Reproductive Feminicidio, and Coalitional Possibility in the Borderlands, Health Communication, 2021, pg. 4, DOI: [10.1080/10410236.2021.1911386](https://doi.org/10.1080/10410236.2021.1911386) <https://doi.org/10.1080/10410236.2021.1911386>

³ Grineski SE, Clark-Reyna SE, Collins TW. School-based exposure to hazardous air pollutants and grade point average: A multi-level study. Environ Res. 2016 May;147:164-71. doi: 10.1016/j.envres.2016.02.004. Epub 2016 Feb 11. PMID: 26875067; PMCID: PMC4821756. <https://pubmed.ncbi.nlm.nih.gov/26875067/>

⁴ Sarah De Los Santos Upton, Carlos A. Tarin & Leandra H. Hernández (2021) Construyendo Conexiones Para Los Niños: Environmental Justice, Reproductive Feminicidio, and Coalitional Possibility in the Borderlands, Health Communication, 2021, pg. 2, DOI: [10.1080/10410236.2021.1911386](https://doi.org/10.1080/10410236.2021.1911386) <https://doi.org/10.1080/10410236.2021.1911386>

respiratory diseases. According to the U.S Census, 10% of the Chamizal population has asthma, while another 12% has chronic obstructive pulmonary disease. This is especially true in areas where the most at-risk population lies near extreme sources of pollution. "EPISD's (the El Paso Independent School District) policies have been particularly devastating in Barrio Chamizal. Exposure to higher levels of vehicle emissions for some children in EPISD (school district) has resulted in lower GPA's, yet, community-driven requests for air quality testing at EPISD campuses have been denied by the district."⁵ The children in our community are subjected to dangers daily because the elementary schools in the Chamizal neighborhood are situated next to encroaching industry, high traffic highways and the international port-of-entry overloaded with semi-truck traffic. Douglass Elementary in the Chamizal neighborhood is a low-income, English-learner Hispanic-dominated school situated on the edge of the industrial zone and behind the school playground sits an industrial recycling waste facility handling electronics, metals, and batteries, some of the most hazardous materials to recycle. Zavala Elementary School, located between a highly trafficked interstate highway and international port-of-entry, has the highest levels of poor air quality of the entire school district. Studies show that people who live and work near the Bridge of the Americas are exposed to higher PM pollution than the regional average.⁶ Bowie High School also follows this same pattern. Also, being a predominantly immigrant and Latino school, Bowie High School is also located in an area with levels of air pollutants greater than 80% of the region placing them at higher risks of cancer¹, yet the school district placed a massive bus hub and maintenance center on the campus in 2020.

While 22% of our population suffers from respiratory issues or cancer risk, other areas in El Paso have lower percentages of these conditions. Only 7% percent of the residents have asthma, while 3% suffer from COPD in neighborhoods with a mean household income of \$ 90,0000 per year⁴. These differences in health effects between areas correlate to the proximity of the neighborhoods to traffic. The residents of our community are exposed to 79% more diesel particulate matter than other places in Texas. As explained before, more exposure to sources of pollution increases the risk of life-threatening diseases for the families of our neighborhoods. Since the median household income of our community is less than \$25,000/year, many of our residents do not have a means of transportation⁴. Due to this factor, there is no barrier between the contaminants produced from these vehicles and the individuals walking outside to their jobs or school. Further, as a highly populated immigrant community, access to healthcare is limited and many of the health disparities are not addressed or accounted for. The health disparities in the Chamizal are obvious, yet rarely diagnosed, documented or treated.

"The residents of the Chamizal had experienced a range of health issues related to the contaminated air in their neighborhood. Sandra's daughter attended and ran track at Bowie High School. When she was running during track practice, she would experience headaches that she believed were caused by the idling 18-wheeler trucks in front of the school. Familias Unidas del Chamizal surveyed barrio residents and found that many children and mothers suffered from undiagnosed and diagnosed respiratory issues. Estela disclosed that she knew many people in the Chamizal that suffered from respiratory issues, such as asthma. She also said that there had been elevated blood lead levels detected in children."⁷

⁵ Sarah De Los Santos Upton, Carlos A. Tarin & Leandra H. Hernández (2021) Construyendo Conexiones Para Los Niños: Environmental Justice, Reproductive Feminicidio, and Coalitional Possibility in the Borderlands, Health Communication, 2021, pg. 1, DOI: [10.1080/10410236.2021.1911386](https://doi.org/10.1080/10410236.2021.1911386). <https://doi.org/10.1080/10410236.2021.1911386>

⁶ Olvera HA, Lopez M, Guerrero V, Garcia H, Li WW. Ultrafine particle levels at an international port of entry between the US and Mexico: exposure implications for users, workers, and neighbors. J Expo Sci Environ Epidemiol. 2013 May-Jun;23(3):289-98. doi: 10.1038/jes.2012.119. Epub 2013 Jan 16. PMID: 23321858. <https://pubmed.ncbi.nlm.nih.gov/23321858/>

⁷ "The Complete Disregard For Our Children's Lives, The Targeting Of A Community That Can't Fight Back:" Families' Testimonios On Resisting School Closures On The U.s.-Mexico Border, Joshua Acevedo University of Texas at El Paso, 2021, Pg 112 https://scholarworks.utep.edu/cgi/viewcontent.cgi?article=4208&context=open_etd

The residents of the Chamizal have been facing distressing levels of pollution that have harmed their lives. Being a low-income minority community and living in the center of sources of pollution, the families of our neighborhoods face many obstacles that harm their health. Because of this, reliable information regarding the levels of these pollutants is necessary to help our community. “The environmental effects on the children’s health is something forever.”⁸

SECTION 2- COMMUNITY PARTNERSHIPS:

Our key collaborators are the women and families living in the Chamizal neighborhood, whose leadership and connection to the community cultivate our community building efforts. La Mujer Obrera is structured in a collective decision-making process, where residents must see their ideas reflected in our practice. The collective work is crucial to ensuring that decisions, strategies and actions are community-driven and implemented together. The mechanisms in place to collect key feedback from residents include meetings, workshops, training and resident-led exchanges. Each workshop, meeting and training is structured to gather and share information from the community itself.

Community partnerships and collaborations include Aclima, a leader in hyperlocal air quality and greenhouse gas measurement and analysis with the purpose of taking bold action to reduce emissions and protect public health. David Baake, is an environmental justice lawyer and collaborator that represented La Mujer Obrera’s members of Familias Unidas del Chamizal in a recent federal lawsuit which contested the air quality and attainment status of the region and won. Our partners at Texas RioGrande Legal Aid assist in navigating complaints, processes, zoning and lawsuits to address contamination in public housing, playgrounds and public schools. We will also partner with community organizations: Eco-El Paso, Sierra Club, and High Desert Native Plants to address environmental concerns and poor air quality with tree planting mitigation, green infrastructure plans, and technical assistance. Members of these various stakeholder groups, environmental experts, and residents will participate in the creation of the Chamizal Action Plan to ensure inclusion, implementation, support, and long-term sustainability. The Chamizal Action Plan will be presented to policy makers and elected officials to address existing sources of pollution, reduce emissions, and improve the air quality.

La Mujer Obrera’s work has made great strides in organizing to protect a community that is too-often unjustly ignored. We have been able to shift the narrative in order to make the ‘invisible- visible.’ Our established record includes organizing residents to demand removal of the international transporting semi-trucks out of our neighborhoods, roads, and away from our community schools. For years, these trucks sat idling for hours in front of our schools, jeopardizing the health and safety of our children. Finally, after years of addressing this hazard, the Texas Department of Transportation created a plan to redirect the truck traffic out of the Chamizal community and away from Bowie High School. We’ve also demanded that the City of El Paso enforce a long-ignored ordinance to keep semi-trucks out of our residential neighborhood and schools. Now, the Chamizal has official signs throughout the neighborhood to keep semi trucks out of our neighborhood streets. Our organizing efforts have fought to push the semi-trucks away from our neighborhood high school and off our residential streets, yet there is more work to be done.

⁸ “Like a dumping ground’: Latina moms in Texas border city are fighting air pollution”, By Isa Gutierrez, Jackie Montalvo, Carlos P. Beltran and Albinson Linares, Noticias Telemundo, NBC, Feb. 22, 2022.

<https://www.nbcnews.com/news/latino/-dumping-ground-latina-moms-texas-border-city-are-fighting-air-polluti-rcna16789>

In the same year, despite our achievements of addressing environmental concerns, the school district built a massive bus transportation and maintenance hub in our neighborhood highschool that destroyed a green space, placing 124+ buses on our campus. We are currently working on a campaign to convert these buses to electric power. Taking steps to ensure that the school district makes this transition and utilizes available public funding opportunities to achieve this.

Our organizing efforts have also been effective in contesting skewed data submitted by the Texas Commission on Environmental Quality (TCEQ) in order to address the reality of environmental racism in our community. Recently, our organizing efforts undertook the necessary legal process to address the mis-designation of the ozone attainment status for the city of El Paso. La Mujer Obrera's organizing project, Familias Unidas del Chamizal were represented as plaintiffs in a lawsuit asking the EPA to re-establish El Paso's non-attainment status in order to ensure that stricter regulations and protection be implemented in all future planning. In response to this environmental win, TCEQ and the State of Texas have appealed and are citing the Clean Air Act's section 179b loophole to exempt El Paso from sanctions and regulations. For decades, the city of El Paso has been exploiting the use of outdated clauses written into environmental exceptions along international borders. We plan to address these loopholes in the Chamizal Action Plan.

In 2019, the school district shut down the most populated elementary school located in the center of the Chamizal, in an area zoned residential, and consolidated the students into campuses further away from their homes. As a result of this inequitable school closure, currently, both of the elementary schools in the Chamizal are located in environmentally unsafe areas on the edge of industrial zones. One school is surrounded by industrial recycling facilities handling electronics, metals and batteries. The other school is adjacent to major highways and the port-of-entry. We are organizing parents to demand environmentally safe public schools and are currently undertaking a lawsuit to re-open the more environmentally safe schools that were unjustly closed.

Our efforts also advocated for the clean-up, investment and renovation of a shuttered public housing complex, the Ruben Salazar Public Housing. The complex was abruptly closed when our organizing efforts revealed- in a preliminary superficial soil study- moderate to high levels of lead and copper in the playgrounds. The Ruben Salazar apartments are located in between two major sources of pollution: the recently constructed Bowie Bus Hub and 100+ year old W. Silver industrial waste recycling facility. Our advocacy convinced the housing authority to apply for renovation funds and in 2021 those funds were secured. Yet, a community-centered sustainable mitigation plan needs to be created and implemented to ensure the health and safety of residents as this important public housing complex re-opens in the Chamizal neighborhood. Public housing should prioritize a green infrastructure plan, implement mitigation projects, and sustainable energy.

La Mujer Obrera has fought for basic infrastructure in the Chamizal community for years, and to include a community center and library. We organized residents to petition the city of El Paso to allocate funding for these important amenities. In 2020 our vision was realized with the opening of the first community center and public library in the Chamizal neighborhood.

We have also established and maintained a Chamizal community garden where residents learn how to grow their own food. Community members learn about the medicinal and protective ability of specific vegetation, plants, herbs, fruits, and vegetables as they connect with nature and with each other. These efforts highlight the resiliency of our community and uplift traditional methods that have survived throughout generations.

Our environmental health concerns certainly were exacerbated since the Covid-19 pandemic, heightening health risks in a vulnerable community. La Mujer Obrera undertook a Covid campaign to ensure that the community had access to information, testing, and vaccinations. Our efforts were part of a national cohort and were ranked #2 for successfully implementing an effective campaign.

SECTION 3: ENVIRONMENTAL JUSTICE AND UNDERSERVED COMMUNITIES:

La Mujer Obrera's organizing efforts seek to ensure that the most vulnerable populations within the city of El Paso are informed, involved, organized, and protected. We work collectively to cultivate a culturally empowered community with negotiating power and autonomy to create change despite the political barriers of citizenship, economic status, and language. Climate change is a prevalent global issue that must be addressed and combated locally. Our organizing efforts are urgent and credible because frontline community members are the ones defending and organizing their neighborhood. For years, we have been asking for an Environmental Health Impact Study in the Chamizal, yet to-date, not one has been conducted. The injustice renders us helpless unless we organize.

There is a great divide in the city of El Paso that excludes communities like Barrio Chamizal. The divide is not only geographical, but political. "The city failed to zone El Chamizal in a manner that would allow for buffer zones between residential and industrial uses. They allowed legally non-conforming uses instead of making a concerted effort to segregate residential uses from potentially harmful ones. Furthermore, the city's most recent comprehensive plan (2008) neglected to address the pressing issues of El Chamizal despite their adoption of a neighborhood plan. Since El Paso has failed to disallow harmful uses in this predominantly Hispanic, low-income neighborhood, it is increasingly their responsibility to mitigate the issues that have emerged. The residents' concerns are not unfounded, and because they are the ones whose daily lives are impacted by the planning decisions of the city, we support their calls for increased revitalization efforts in the community. We are additionally concerned with the zoning strategy utilized in El Chamizal, and are disturbed by the amount of hazardous uses in close proximity to residential uses. The fact that these are predominantly low-income people of color is particularly concerning because of the power imbalance in city politics that this issue may lend itself to, but we also believe that these hazardous uses in such close proximity would be of great concern regardless of who is living there and what their political capital may be."⁹

"Familias Unidas del Chamizal is an exemplary case study for interrogating how marginalized communities are rendered invisible in analyses of public health issues. Latinx communities are underrepresented in health communication research generally, and this is especially true for border communities which are often populated by lower-income, non-English speaking residents."¹⁰ Building the defense to protect the neighborhood sustains the efforts for communities to re-imagine and create a safe and healthy community prepared with a Chamizal Action Plan. The plan includes a block-by-block localized air quality assessment and data report(s) that will map sources of contamination contributing to ozone emissions, particulate matter, and fugitive dust. The Chamizal Action Plan will be the first of its kind, during a time like no other.

⁹ El Chamizal: History of Zoning, Environmental Justice, and Activism, etal. Samira Bashar, Nathan Jones, & Tatum Troutt, The University of Texas at Austin, 2018, pg 23-24 (attached)

¹⁰ Sarah De Los Santos Upton, Carlos A. Tarin & Leandra H. Hernández (2021) Construyendo Conexiones Para Los Niños: Environmental Justice, Reproductive Feminicidio, and Coalitional Possibility in the Borderlands, Health Communication, 2021, pg. 9, DOI: [10.1080/10410236.2021.1911386](https://doi.org/10.1080/10410236.2021.1911386). <https://doi.org/10.1080/10410236.2021.1911386>

4. Environmental Results- Outputs, Outcomes and Performance Measures:

With the support of this grant, and in collaboration with Aclima, a public benefit corporation specializing in hyperlocal air quality and greenhouse gas measurement and analysis, this project seeks to deploy a comprehensive air quality and emissions monitoring campaign on a block-by-block basis, build capacity and knowledge of hyperlocal air pollutants and create a Chamizal Community Action plan to address emissions reduction and mitigation. The data collected will enhance the organizing work, give the community a voice and leverage negotiations and proposals for alternative sustainable solutions with public institutions, government entities and policy makers.

La Mujer Obrera is grounded in an educational approach that prioritizes both a community-based praxis and values local knowledge, specifically from working-class immigrant women in the local community. Our goal is to create a Chamizal Community Action Plan utilizing this approach to ensure that the plan is supported, sustainable and implementable.

Aclima is the world's leader in block-by-block air quality and emissions monitoring. The proposed campaign is designed to support the Chamizal community with the data and transparency to establish a baseline of ambient concentrations and help identify which actions could be most impactful to mitigate air pollution in the community. Under the advisement of local project partners, Aclima will deploy a fleet of dedicated vehicles driven 24 hours per day, seven days per week by locally-hired team members to measure air pollution on each block repeatedly for a three month period.

Pollutants measured will include black carbon (BC), carbon dioxide (CO₂), carbon monoxide (CO), ethane (C₂H₆), fine particulate matter (PM_{2.5}), methane (CH₄), nitrogen dioxide (NO₂), and ozone (O₃). The measurements collected are quality-checked, then translated by Aclima's software into average pollution levels at all addresses across the community. By using Aclima's unique methodology to identify hotspots and highly-variable locations within the community, long-term stationary monitors can then be deployed much more efficiently and effectively.

Through partnerships with communities across the country, Aclima has developed a model for supporting and accelerating Community Emissions Reductions Plans (CERPs; similar to West Oakland's "Owning Our Air"). Aclima's team of scientists and experts in hyperlocal air pollution and greenhouse gas mitigation will share best practices learned through deep community engagement, and will include Aclima Advisory Board members like Dr. Sacoby Wilson, Peggy Shepard (WE ACT for Environmental Justice), and the West Oakland Environmental Indicators Project in project meetings. Ambient concentration data and analyses will be hosted on a free interactive website for residents and anyone from the general public, similar to those found at www.aq.aclima.io/ca.

This integrated approach to community-based monitoring and reporting will provide the community with multiple benefits:

- Comprehensive monitoring of community air quality, including fenceline and hyperlocal mapping of persistent air pollution levels on a block-by-block basis
- Comparison and validation with 3rd party air quality measurements
- Event-based alerting for methane and other critical pollutants
- Monitoring data that is publicly accessible and independent
- Creation of living-wage and benefits-providing local jobs for data collection and fleet management professionals

The resultant data and analyses should unlock public investment and other funding for air pollution mitigation and adaptation measures. It will also provide a template for community-centered implementation of key community projects. Community engagement combined with the proven deployment model above would enable the community to generate demand for additional monitoring while providing meaningful and long sought-after critical services to the community.

We will create a diverse cohort of experts and residents to serve in an Environmental Advisory Committee that meets monthly as we collect information and organize residents. Members of the committee will contribute their environmental expertise to navigate air quality monitoring, sensor deployment, track progress and perform data collection analysis and create a Chamizal Community Action Plan. The detailed information on CO₂, CO, NO, NO₂, O₃, PM2.5, black carbon, CH₄, and C₂H₆ collected through this project will assess the real threats of pollution, guide mitigation efforts and create green infrastructure proposals. As a committed and trusted organization in an underrepresented community, collecting accurate statistics will finally validate the community narrative we've established advocating for health and safety environmental protections.

In the first phase of the project, La Mujer Obrera will hire a project manager, community organizers and researcher to begin strategic outreach with partners, community members, neighborhood association(s), environmental experts and elected officials. Our organization has many years addressing environmental concerns and how these concerns are connected to public education, public housing and public space. We will draw upon our established coalition to expand and strengthen our collaborations. During this phase, we will organize and advocate for the electrification of school buses at Bowie High School's bus hub located in the Chamizal neighborhood. Throughout the campaign, our project manager will plan and execute empirical data accumulation, processing and interpretation, as well as ensure report deadlines are met. Our community organizers will organize with barrio residents, communicate with media, general public and elected officials. Our researcher will assist in investigating environmental health concerns, create maps, graphs and synopsis of environmental research.

In the second phase, we will establish an Environmental Advisory committee, which will include environmental experts, governmental officials and Chamizal residents. The Environmental Advisory Committee will meet regularly to guide, inform and offer input on research, analysis on data accumulation and the State Implementation Plan. During this phase, we will organize data collection training, meetings and workshops with residents to collectively plan and create a Chamizal Community Action Plan. We will develop surveys, questionnaires, petitions, videos interviews, history timelines regarding topics such as health, and other conditions of our community. During this phase, Aclima will begin a 3 month block-by-block statistical collection process and our team will organize planning meetings, attend training sessions, map sources of pollution and create an environmental hazard hot-spot analysis.

The project manager will ensure that block-by-block pollution collection is conducted at peak emission hours, evaluate results and analyze air monitoring data. The community organizer will facilitate the Environmental Advisory Committee meetings, work with the project manager and research assistant and will communicate up-to-date observations to committee members, residents, experts and public officials. The community organizer will work with key leadership from the neighborhood and recruit at least one representative from each of the 7 established sections of the Chamizal neighborhood to ensure a community process with representation from the residents. The community organizer will organize an Environmental Health Fair, to present and gather information, learn mitigation techniques, and connect the community with resources. The research assistant will incorporate block-by-block pollution collection

by utilizing creative and impactful mapping tools, such as ArcGIS to create a hotspot map. The hotspot map will accurately ‘tell-the-story’ of violations and pollution's negative effects in the Chamizal neighborhood. Visual maps will aid in translation of important information and data for community members, who are mostly Spanish speaking, low income, intergenerational families and residents. Our community organizer will ensure information is accessible to those most affected by sources of pollution by conducting an information campaign highlighting temperatures, ozone action days and urban heat island effects in meetings, workshops, posters, newsletters and flyers. Our community organizer will invite the residents to teach-ins with environmental experts and green infrastructure consultants. They will prepare small-scale implementation of environmental mitigation and conservation techniques in residential areas and public spaces including the Chamizal community garden and the Piedras/Cordova corridor.

The block-by-block air quality data collected in collaboration with Aclima will be presented to residents in Spanish at community planning meetings, teach-ins and quarterly newsletters to inform Chazmial residents and incorporate a community-driven approach in addressing environmental issues and creating mitigation plans. Utilizing both the data and community input while harnessing advocacy power, our coalition will press government officials and agencies to address the localized air quality, implement mitigation plans and ensure that the health and safety of residents are prioritized in current and future planning. The Chamizal Community Action Plan will address the neighborhood public schools, public housing, city planning and federally funded projects, such as the expansion of the international port-of-entry.

The third phase will be action based, empowered by the block-by-block hyper local air quality data collection results. Our team, environmental committee and neighborhood residents will execute the Chamizal Community Action Plan, as planned in Phase II, which will include mitigation and green infrastructure plans targeting environmental concerns in public schools, public housing and public spaces. Green Infrastructure and mitigation plans alone cannot remedy all of the situations that burden certain areas of the Chamizal neighborhood, but it can be incorporated into every aspect of future planning and can indeed physically alter the environment for the betterment of the neighborhood. By incorporating mitigation plans and green infrastructure principles into the planning process for future improvements and developments, the neighborhood can experience less traffic and pollution and make strides to reverse the heat island effect, soil remediation, healthy vegetation, absorption of air contaminants and combat environmental hazards and injustices.

The EPA's funding in communities is historic and should be invested into community driven solutions. The Chamizal community struggles have yet to be seen. Residents refuse to further allow polluting industries to use the Chamizal as a dumping ground. Instead, the Chamizal will be used as fertile ground for implementing sustainable, long-term change towards a healthy, breathable future.

This project aligns with EPA's 2022-26 Strategic Plan, Goal 4, to “ensure clean and healthy air for all communities”, objective 4.1, to “improve air quality and reduce localized pollution and health impacts,” and prioritize engagement with low-income and marginalized communities that for decades have been overburdened with air pollution and other environmental hazards.

<u>First Phase:</u>	<u>Second Phase:</u>	<u>Third Phase:</u>
<p>Months 1-9:</p> <ul style="list-style-type: none"> -Hire Project Manager, Community Organizer and Research Assistant -Outreach & partnership - Resident recruitment efforts in 7 areas of Chamizal -Meet with environmental experts -Meet with government officials -Meet with Residents - Newsletter distribution featuring environmental issues. -Gather information about past years temperatures in El Paso to develop a timeline of the extreme temperatures <p>Months 10-12</p> <ul style="list-style-type: none"> -Establish environmental advisory committee - Monthly meetings with Environmental Advisory Committee and Chamizal residents -Research information about electric vehicles, solar energy and cost-effective measures for low income and immigrant communities and residents. -Develop information on electric, solar, and green infrastructure. 	<p>Months 13-24</p> <ul style="list-style-type: none"> -Conduct a 3 month/24 hour hyper local, block-by-block air monitoring -Monthly meetings with Environmental Advisory Committee -Mapping of sources of pollution -Data analysis Training -Chamizal hot spot analysis -State Implementation Plan analysis - Heath Fair & Environmental Justice Forum - Quarterly resident environmental workshops; topics include: air quality data, State Implementation plan, Clean Air Act, green infrastructure and mitigation planning - Newsletter w environmental focus -Research best practices by experts in how to protect communities during extreme temperatures. -Research resources within the city for communities and green infrastructure -Develop a solar project for the community garden in the Chamizal garden. - Create Chamizal Action Plan, to include data, mitigation, green infrastructure, and advocacy 	<p>Months 25-36</p> <ul style="list-style-type: none"> -Present the plan to: City Representatives; EPISD representatives, Housing Authority. -Implement Chamizal Action Plan, to include advocacy efforts, mitigation projects, partnerships and government planning -Demand NEPA Environmental Impact Studies and Environmental Health Impact Study -Hold meetings with the emergency preparedness department of the City to discuss any emergency plans by the city for these extreme conditions. -Hold a training/workshop around information gathered and develop an emergency plan for barrio Chamizal residents. -Monthly meetings with Environmental Advisory Committee -Monthly meetings with residents -Quarterly environmental workshops -Newsletter with environmental focus

5. Quality Assurance Statement: (see attachments: Aclima statement and expert CV)

6. Programmatic Capability and Past Performance:

LIST OF GRANTS:

- Building Equity and Alignment for Environmental Justice; reporting requirements are up-to-date & agreements in progress and in good standing
- Cedar Tree Foundation; reporting requirements are up-to-date & agreements in progress and in good standing
- Marguerite Casey Foundation; reporting requirements are up-to-date & agreements in progress and in good standing
- Kresge Foundation; reporting requirements are up-to-date & agreements in progress and in good standing
- Alianza Nacional de Campesinas-Health Resources and Services Administration (HRSA); reporting requirements & agreements achieved & final technical report submitted

La Mujer Obrera has successfully and adequately managed and met all outputs, outcomes and report requirements of the above listed grants. In our grant planning, a work plan is made and a project manager ensures that deliverables are set, outputs are performed, outcomes are achieved and deadlines

are met. We keep a detailed reporting schedule calendar and schedule disbursement upon deliverables met. We keep a systematic accounting record of all expenditures and substantiating documents and audits. We establish and account for any and all budget amounts for staff, subcontractors and/or consultant fees. We hire the necessary leaders and staff to carry out organizing work in a community that is regarded as difficult to tap into because of language barriers, immigration concerns and poverty levels. Our ability to complete these agreements stems from our deeply rooted community building efforts, to include trust, respect, collaboration and leadership in the Chamizal community. La Mujer Obrera's leadership has many years of experience organizing in the Chamizal neighborhood. Our director, Lorena Andrade began working at La Mujer Obrera as a community organizer 24 years ago and has successfully led the organization as a director since 2000, while ensuring our strategic planning is targeted and committed to the mission and vision. Andrade has initiated and developed sustainable projects, to include Proyecto Verde (Green Project), a youth program and our popular education initiatives. Under her leadership La Mujer Obrera has flourished. Hilda Villegas, our lead community organizer of Familias Unidas del Chamizal, has 18 years of experience at La Mujer Obrera. Villegas' expertise as a community organizer has tackled a number of issues, to include environmental justice. Cemelli de Aztlan, our community organizer, has over a decade of experience at La Mujer Obrera advocating on a range of issues, to include environmental issues. As an active member of Familias Unidas del Chamizal, de Aztlan was appointed to the EPA's National Environmental Justice Advisory Council in 2020 and is currently serving a 3-year term.

7. Budget

La Mujer Obrera's proposed EPA Air Quality Monitoring budget includes hiring a full time Project Manager at \$20/hour, 1 part-time Research Assistant at \$15/hour and 2 part time community organizers at \$15/hour who will focus on this project for 100% of their time for 3 years for a total of \$ 276,900. We will contract with Aclima, our air monitoring partner, and will pay \$85,000 to conduct detailed air monitoring data collection in a targeted area, who we will procure in a non-competitive process, given their specialized skills as Aclima is the leader in hyperlocal air quality and greenhouse gas measurement and analysis. Fringe benefits are calculated at a 20% rate of the personnel budget line and indirect costs are calculated at a 10% rate of the total budget. The budget allocated for travel costs, \$3,120 to includes a per diem of .14/mile to provide transportation for Chamizal residents to and from meetings, workshops and events. We are anticipating \$7,800 for supplies to be purchased, which include telephones, laptops and software. And, our 'other' budget amount allocated \$21,800 for stipends for residents and committee members, printing costs for posters, newsletters and flyers.

Line Item & Itemized Cost	EPA Funding
Personnel	
1 F/T Project manager @ \$ 20/HR x 40 hrs/wk x 156 wks 100% time assigned to project @ Annual salary \$ 41,600	\$ 124,800
1 P/T Researcher @ \$15/HR x 25hrs /wk x 156 wks 100% time assigned to project @ Annual salary \$ 19,500	\$ 58,500
2 P/T Project staff @ 15/HR @ 20/wk x 156 wks 100% time assigned to project @ Annual salary \$ 15,600	\$ 93,600
TOTAL PERSONNEL	\$ 276,900

Fringe Benefits	
20 % of salary and wages @ 20% x Total Personnel FICA, SUI, vacation and sick leave, payroll taxes	\$ 55,380
TOTAL FRINGE BENEFITS	\$ 55,380
Travel	
Mileage for PM: 25 miles/wk @ \$0.14/mi x 156	\$ 546
Millage for 3 Staff: 15 miles/wk @ \$0.14/ mi x 156	\$ 982.80
Other miscellaneous travel costs	\$ 1591.20
Total Travel	\$ 3,120
Equipment	
TOTAL EQUIPMENT	
Supplies	
Outreach Materials	\$ 1560
4 laptops @ \$750/unit	\$ 3,000
2 cell phones \$45/month	\$ 3,240
TOTAL SUPPLIES	\$ 7,800
Contractual	
ACLIMA	\$ 85,000
TOTAL CONTRACTUAL	\$ 85,000
Other	
stipends	\$10,000
Printing costs	\$11,800
TOTAL OTHER	\$ 21,800
Indirect Charges	
Federal Indirect Cost Rate (10%) x total	
TOTAL INDIRECT	\$ 50,000
TOTAL FUNDING	
TOTAL PROJECT COST	\$ 500,000



Aclima Team Highlights 2022 Selected Bios

Multi-disciplinary talent

Executive Leadership
Hardware and Sensor Engineering
Field Operations + Manufacturing
Atmospheric and Exposure Sciences
EJ + Strategic Communications
Community Engagement
Data Science + Biostatistics
Epidemiology + Env Health
Smart Growth + Policy
Software Engineering + UI/UX Design
Marketing

Diversity as core strength

Leadership: 50% women
50% BIPOC

Company: 34% women*
71% BIPOC*

**based on data from the end of 2021*

ACLIMA PROJECT TEAM

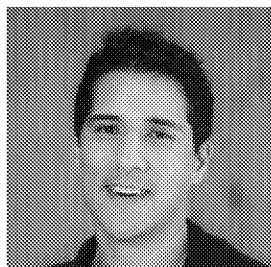
Davida Herzl, JD // Chief Executive Officer



Davida Herzl is co-founder and CEO of Aclima, where she leads a diverse team building a new class of tools to accelerate climate action, protect public health, and ensure equal access to clean air. Under Herzl's leadership, Aclima has pioneered block-by-block measurement and analysis of air pollution and greenhouse gasses at scales never before possible. The Aclima managed sensor network and software platform translates billions of scientific measurements into environmental intelligence that supports governments, communities, and companies working to reduce emissions for global impact. To advance Aclima's mission, Davida applies a systems-based approach to creating new technologies and powerful partnerships that deliver

transformative business, environmental and societal value. The company was recently recognized as one of the 50 Most Innovative Companies in the World by Fast Company and #1 in Data Science. She holds a JD from the University of San Diego School of Law, and a BA in Economics, Political Science, and Communications from the University of California, San Diego. Davida has received industry accolades for her work, named one of the Top 100 Most Creative People in Business by FastCompany (2019), one of the 100 Most Intriguing Entrepreneurs of 2018 by Goldman Sachs, and a Grist 50 Fixer (2018).

Matt Hill // COO



As COO, Matt aligns and directs Aclima teams to ensure the highest standards of excellence in execution. Matt has over 20 years of experience in contract manufacturing and business operations. With a specialization in integrating root cause and data analysis into process design, implementation and improvement, Matt has had a long-history of success in operational turnaround, business system integration, manufacturing and risk management. Throughout his 9 years at Aclima, Matt has led several internal functional groups, including manufacturing operations, deployment operations and customer-facing teams. He is a long-time, committed member of the leadership team and a beacon for the company's values. Matt holds a BS in Chemical and Bioengineering from the University of California, Los Angeles.

Meghan Thurlow, Ph.D. // VP, Sensing and Applied Science



Dr. Meghan Thurlow is a Harvard-educated physical chemist with deep expertise in the development of novel instrumentation, and the application of transport models to better understand the atmosphere. Her doctoral research focused on the relationship between the chemical composition of the atmosphere and the climate. At Harvard, Meghan developed and deployed instrumentation to detect the trace gasses iodine monoxide and glyoxal in situ. At University of California, Berkeley, she worked to understand how inexpensive instrumentation can be used to monitor CO₂ levels at spatial resolutions relevant to greenhouse gas reductions at the city-scale. At Aclima, Meghan applies her deep expertise in sensing, signal processing, network analytics and modeling, across the company ensuring full-system integration to deliver the highest value data from our deployed networks. Meghan also has an MBA from the UC Berkeley Haas School of Business.

Melissa Lunden, Ph.D. // Chief Scientist



Dr. Melissa Lunden's extensive research career has focused on the transport and fate of pollutants in the environment. At Aclima, Melissa leads efforts to ensure the company's sampling and analysis methods deliver the highest levels of scientific rigor and validation, and leads research into the scientific questions Aclima's data can uniquely answer. She was a coauthor on the foundational 2017 ES&T mobile mapping paper that showed that air pollution can vary by 5-8x from one block to the next. Melissa has always been interested in the factors by which different environments influence exposure to highly dynamic pollutants. This variability underscores the need for ubiquitous hyperlocal environmental monitoring that she and the team at Aclima have pioneered. Prior to joining Aclima in 2013, Melissa was a staff scientist at Lawrence Berkeley National Laboratory, where she directed research on the formation, transport, and fate of atmospheric pollutants, including field work in Sierra Nevada forests, traffic tunnels, and the Boston and DC Subways. She received her PhD at the California Institute of Technology, with an emphasis on aerosol science.

Brian LaFranchi, Ph.D. // Technical Operations Manager



Dr. Brian LaFranchi leads the Science Operations group, which is responsible for sensor calibrations, deployed device performance, and overall quality control. After receiving his doctorate in Analytical Chemistry from the University of Vermont, where he was a U.S. EPA STAR Fellow, Brian embarked on a career in atmospheric chemistry research. As a post-doctorate, first at University of California Berkeley and then at Lawrence Livermore National Laboratory, his research touched on the impact of long-term declines in vehicle emissions on air quality over the Sierra Nevada Mountains of California and the use of radiocarbon isotope measurements as a tracer in carbon cycle studies

on a regional scale. Prior to joining Aclima, Brian worked in the GHG Attribution Laboratory at Sandia National Labs, leading efforts to characterize uncertainties in high precision GHG measurements as part of field studies in Barrow, AK and Livermore, CA.

Joe Hicken // VP, Policy



Joe Hicken comes to Aclima with experience in federal and local government, previously supporting one of the executive co-founders of GSA's digital consultancy, 18F (now the Technology Transformation Service), and most recently implementing and configuring the revenue modules of the City and County of San Francisco's software system for budgeting and accounting. Joe spent nearly a decade in Washington DC, as a GS-14 Schedule C appointee in the Obama Administration and prior to that, as a democratic staff member of the House Armed Services Subcommittee on Military Personnel, working with lawmakers on statutes and policies associated with population health, mental

health, and clinical care of the military's 9.6 million-person beneficiary population. Joe is now based out of Research Triangle Park, North Carolina. As Vice President of Policy, Joe works closely with current and future public-sector users to support use and application of Aclima's hyperlocal air quality baselines in their respective policy and regulatory contexts.

Josh Carr // VP, User Experience



As VP of User Experience and Head of Product, Josh Carr brings decades of experience in design and engineering to help Aclima and its partners find insights in large sets of data through analysis and visualization products. As a designer whose medium is code, he manages and leads a team integrating product managers, interaction designers and creative technologists to develop tools and interactive experiences that make the invisible visible. Previously working with leading interactive agencies The Barbarian Group and Organic, with clients such as General Electric, Samsung and Bloomberg, Josh has focused his career on helping products, brands and non-profit organizations leverage digital experiences to tell their stories.

Jonathan Hendler // Head of Software



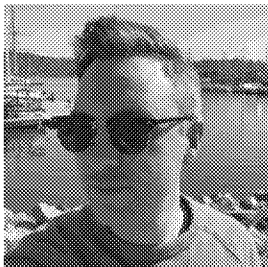
Jonathan has an extensive background in product development and engineering for technology startups, notably in the education and health industries. He co-founded BetterLesson in 2008 in Boston, where he was CTO for its first five years and through two rounds of funding. More recently, he was product engineering lead for San Francisco machine learning-based company ginger.io, developing products to support mental health. There he created two new product lines, and led data scientists, developers, lawyers, and a physician on a groundbreaking study. He joined Aclima as a senior backend engineer, advancing to head of software after his first year. His focus at Aclima has been to build new services, create frictionless internal tools, recruit high-performing software engineers, and manage all aspects of data engineering. Jonathan is passionate about bringing his experience to Aclima to support the mission. He holds a degree in computer science from Northeastern University.

Alex Tweedie, M.S. // Head of Technical Operations



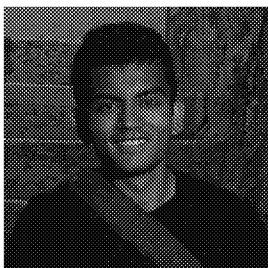
Alex leads Technical Operations, managing supply chain, hardware production, hardware deployment, fleet operations, and deployed hardware data quality assurance. Alex received her M.S. in Environmental Studies from the University of Colorado at Boulder, and upon completing her degree, Alex was selected as a Presidential Management Fellow and served in the Department of Energy, Office of Budget for two years. In her nearly 5 years at Aclima, Alex has worked in customer engagement, business operations, hardware production, and hardware deployment.

Mike Assenti // Sr. Product Manager



Mike is an experienced product leader and technologist who leads development of Aclima's regulatory air quality product, Aclima Pro. Mike's product work focuses on unlocking the power of complex systems by making them simple, accessible, and intuitive. Formerly of Dolby Labs, Mike led the development of Dolby On: the award-winning mobile app that helps musicians without access to a studio record high-quality music directly from their phones. With a background in B2B, B2C, and consulting, Mike joined Aclima after deciding to refocus his career on climate and social good.

Shreyan Sen, M.S. // Statistician



Shreyan is a Statistician at Aclima, primarily focused on uncertainty estimation and data product validation. He is passionate about making statistical reasoning simple, clear, and accessible to non-statisticians. Prior to joining Aclima, he worked as a Data Scientist at Orbital Insight, a geospatial analytics company. Shreyan received an M.S. in Statistics and an M.S. in Civil & Environmental Engineering from Stanford University, where he was an NSF Graduate Research Fellow, and a B.S. in Physics from Duke University. He also served as a Peace Corps Volunteer in the Republic of Guinea from 2012-2014.

Salvatore Mazzola // Head of Devices



Salvo has over 15 years of international experience designing innovative systems for technology startups. He leads Aclima's Devices team, which is responsible for designing and delivering physical assets to support or perform data collection, and for the embedded software components necessary to process, manage and transmit data to the backend. As an Electrical Engineer, Salvo designs Aclima's micro-electronics and power systems.

Caroline Parworth, Ph.D. // Sensor Technologist



Dr. Caroline Parworth is a Sensor Technologist in the Science Operations group at Aclima, which is responsible for management of Aclima's sensor networks, including calibration, monitoring of deployed device performance, and overall quality control. Caroline received her doctorate in Agricultural and Environmental Chemistry from the University of California, Davis, as a NSF Graduate Research Fellow. Her PhD focused on understanding atmospheric sources and chemical processes responsible for high levels of fine particulate matter in the heavily polluted region of the San Joaquin Valley of California. After finishing her PhD she was a post-doctorate at the NASA Ames Research Center, performing aircraft-based measurements of greenhouse gases for satellite validation as part of the Alpha Jet Atmospheric eXperiment (AJAX). After fulfilling her dream of flying in a fighter jet, she continued her career in air quality research at Aclima by combining her passion for atmospheric chemistry and measurement techniques.

Paul Solomon, Ph.D. // Sr. Scientist



Dr. Paul Solomon is a Senior Scientist at Aclima. Paul's areas of expertise and research interests include the development, evaluation, and application of analytical laboratory and particulate matter (PM) field measurement methods, with a focus coarse and fine PM as applied in a range of domestic and international research studies designed to characterize and quantify major, minor, and trace elements and species in air to elucidate source-receptor-exposure relationships and chemical and physical processes occurring in clean and polluted atmospheric environments. More recently, his interests include the development, evaluation, and deployment of micro air pollution monitors (air pollution sensors) with an emphasis on PM mass, methane, black carbon, and other PM and gaseous components in air. Paul also has a strong desire to ensure that research results are communicated to the scientific, public, and policy arenas through coordination and publication of scientific papers in conferences, and books. Paul has nearly 100 journal publications, about 140 presentations, holds 4 patents in air sampling methods with 5 patents pending and has also organized 26 special journal issues and organized and chaired four major international air quality conferences. Paul received his B.S. in Chemistry from the University of Maryland and his Ph.D. in Analytical Chemistry with a focus in air quality from the University of Arizona.

Nicole Goebel, Ph.D. // Data Scientist



Dr. Nicole Goebel is a Data Science team member at Aclima. Over the past 6 years Nicole has contributed to the collection, processing, analysis and delivery of both mobile outdoor and stationary indoor data collections; she utilizes both of these air quality data streams to optimize sampling efforts, improve sensor accuracy, and better understand spatial representativeness. Nicole received her B.S. in Biology from the University of Illinois, her Ph.D. in Oceanography at the University of Otago in New Zealand, and worked as a PostDoctoral Fellow at the University of Connecticut and University of California Santa Cruz. She was also a finalist in Wave Glider's PacX Ocean data challenge, where she analyzed oceanic drone-collected sensor data and satellite measurements to

improve sampling and estimates of marine phytoplankton biomass across the Pacific Ocean.

Marek Kwasnica M.Eng.// Data Analyst



Marek is a data analyst with the Science Operations team, primarily working on methane and ethane quality control, calibration, and associated data products. Previously, he was a driver coordinator for Aclima's Brooklyn hub. Prior to Aclima, Marek was a research assistant for robotics-assisted physical therapy research at Kessler Foundation and worked as a cancer study coordinator with Montefiore Medical Center. He holds an M.Eng. for Biological Engineering from Cornell University.

Cassandra Trickett, M.S., MPH // Data Analyst



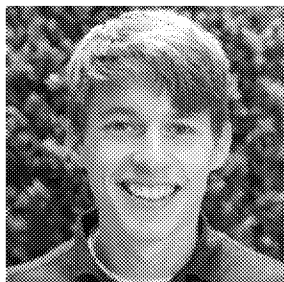
Cassie joined the Science Operations team after driving for Aclima. Prior to joining, she worked at a small consulting firm that supports environmental litigation plaintiffs by providing air models and map exhibits. Some of this work involved several visits to the Porter Ranch community collecting odor observations and air and wipe samples. Cassie has a dual masters in Environmental Engineering and Environmental Health Science and is interested in environmental justice, mapping, and climate.

Nathan Sankary, Ph.D. // Data Scientist



Dr. Nathan Sankary is part of the data science team at Aclima; working on analyzing and optimizing data collection strategies, and autonomous methods to recognize and characterize irregular pollution signals in Aclima's air quality data streams. Nathan has a B.S. in Geology from Michigan Technological University, and a Ph.D. in Environmental Engineering from the Technion - Israel Institute of Technology, where his Ph.D. thesis was awarded for outstanding work in Environmental Engineering, Water Resources, Climatology, and Air Pollution.

Todd Langland, Ph.D // Data Scientist



Dr. Todd Langland splits his time between data science and software projects at Aclima. During his 6 years at the company, he has contributed to projects ranging from developing low-cost sensor calibration models to improving geolocation of data sampled on-road. These days, he helps productionize data science prototypes to add and improve features available in Aclima's data products. Todd received a Ph.D. in Oceanography from Louisiana State University, and a B.S. in Ecology, Behavior, and Evolution from the University of California, San Diego.

ACLIMA ADVISORS

([see here for expanded list](#))



Peggy Shepard: Peggy Shepard is co-founder and executive director of WE ACT for Environmental Justice and has a long history of organizing and engaging Northern Manhattan residents in community-based planning and campaigns to address environmental protection and environmental health policy locally and nationally. She has successfully combined grassroots organizing, environmental advocacy, and environmental health community-based participatory research to become a national leader in advancing environmental policy and the perspective of environmental justice in urban communities—to ensure that the right to a clean, healthy and sustainable environment extends to all.



Dr. Sacoby Wilson: Dr. Sacoby Wilson is Associate Professor and Director, Community Engagement, Environmental Justice, and Health (CEEJH), University of Maryland. Dr. Wilson is an environmental health scientist and environmental justice advocate with the Maryland Institute for Applied Environmental Health and Department of Epidemiology and Biostatistics. He has expertise in exposure science, environmental justice, community-engaged research including community-based participatory research (CBPR), the built environment, geospatial visualization tools, environmental health disparities, air pollution and water quality studies, climate change, and community resiliency.



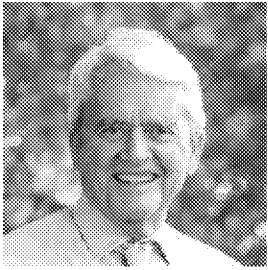
Gloria Walton: Gloria Walton is President and CEO of The Solutions Project. Gloria has been named one of the country's most exciting "next generation" political leaders. She leads The Solutions Project, which supports climate changemakers, innovators, and solutionaries at the grassroots. Previously, she was President & CEO of Strategic Concepts in Organizing and Policy Education (SCOPE), a South LA-based community organization widely recognized as a leader in the development of cutting-edge strategies to ensure that black and brown, poor and working-class communities have an equal voice in the democratic process.



Heather McTeer Toney: Heather McTeer Toney serves as the Climate Justice Liaison for the Environmental Defense Fund (EDF) and as Senior Advisor to Moms Clean Air Force. She was the first African-American, first female and the youngest to serve as Mayor of Greenville, Mississippi from 2004-2012. In 2014, she was appointed by President Barack Obama as Regional Administrator for the Environmental Protection Agency's Southeast Region. Known for her energetic and genuine commitment to people, her work has made her a national figure in the area of public service, environmental justice and community engagement.



Kerry Duggan: Kerry Duggan is Principal at SustainabiliD. Kerry is a connector and change agent. She currently serves on the State of Michigan's Council on Climate Solutions. In 2020, Kerry was a Biden appointee to the Biden-Sanders Unity Climate Change Task Force. She served in the Obama-Biden White House as Deputy Director for Policy to then Vice President Joe Biden for energy, environment, climate and distressed communities. Simultaneously, she served as Deputy Director of the Detroit Federal Working Group to support Detroit's revitalization.



William Reilly: Bill Reilly was Administrator of the U.S. Environmental Protection Agency from 1989 to 1993. He has enjoyed careers in public service, non-governmental organizations, and private sector finance. He has served four US Presidents: Presidents Nixon, George H.W. Bush, Clinton and Obama. For more than 20 years he was a Senior Advisor to TPG Capital, an international investment partnership. Before joining TPG, Mr. Reilly was the first Payne Visiting Professor at Stanford University.

Preaward Compliance Review Report for All Applicants and Recipients Requesting EPA Financial Assistance

Note: Read Instructions before completing form.

I. A. Applicant/Recipient (Name, Address, City, State, Zip Code)

Name:

Address:

City:

State: Zip Code:

B. DUNS No.

II. Is the applicant currently receiving EPA Assistance? ☐ Yes ☒ No

III. List all civil rights lawsuits and administrative complaints pending against the applicant/recipient that allege discrimination based on race, color, national origin, sex, age, or disability. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)

IV. List all civil rights lawsuits and administrative complaints decided against the applicant/recipient within the last year that allege discrimination based on race, color, national origin, sex, age, or disability and enclose a copy of all decisions. Please describe all corrective actions taken. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)

V. List all civil rights compliance reviews of the applicant/recipient conducted by any agency within the last two years and enclose a copy of the review and any decisions, orders, or agreements based on the review. Please describe any corrective action taken. (40 C.F.R. § 7.80(c)(3))

VI. Is the applicant requesting EPA assistance for new construction? If no, proceed to VII; if yes, answer (a) and/or (b) below.

☐ Yes ☒ No

a. If the grant is for new construction, will all new facilities or alterations to existing facilities be designed and constructed to be readily accessible to and usable by persons with disabilities? If yes, proceed to VII; if no, proceed to VI(b).

☐ Yes ☐ No

b. If the grant is for new construction and the new facilities or alterations to existing facilities will not be readily accessible to and usable by persons with disabilities, explain how a regulatory exception (40 C.F.R. 7.70) applies.

VII. Does the applicant/recipient provide initial and continuing notice that it does not discriminate on the basis of race, color, national origin, sex, age, or disability in its program or activities? (40 C.F.R. 5.140 and 7.95)

☒ Yes ☐ No

a. Do the methods of notice accommodate those with impaired vision or hearing?

☒ Yes ☐ No

b. Is the notice posted in a prominent place in the applicant's offices or facilities or, for education programs and activities, in appropriate periodicals and other written communications?

☒ Yes ☐ No

c. Does the notice identify a designated civil rights coordinator?

☒ Yes ☐ No

VIII. Does the applicant/recipient maintain demographic data on the race, color, national origin, sex, age, or handicap of the population it serves? (40 C.F.R. 7.85(a))

☒ Yes ☐ No

IX. Does the applicant/recipient have a policy/procedure for providing access to services for persons with limited English proficiency? (40 C.F.R. Part 7, E.O. 13166)

☒ Yes ☐ No

- X. If the applicant is an education program or activity, or has 15 or more employees, has it designated an employee to coordinate its compliance with 40 C.F.R. Parts 5 and 7? Provide the name, title, position, mailing address, e-mail address, fax number, and telephone number of the designated coordinator.**

Jackie Tellez, (915) 345-8564

- XI. If the applicant is an education program or activity, or has 15 or more employees, has it adopted grievance procedures that assure the prompt and fair resolution of complaints that allege a violation of 40 C.F.R. Parts 5 and 7? Provide a legal citation or Internet Address for, or a copy of, the procedures.**

n/a

For the Applicant/Recipient

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. I assure that I will fully comply with all applicable civil rights statutes and EPA regulations.

A. Signature of Authorized Official

Lorena Andrade

B. Title of Authorized Official

Director

C. Date

03/25/2022

For the U.S. Environmental Protection Agency

I have reviewed the information provided by the applicant/recipient and hereby certify that the applicant/recipient has submitted all preaward compliance information required by 40 C.F.R. Parts 5 and 7; that based on the information submitted, this application satisfies the preaward provisions of 40 C.F.R. Parts 5 and 7; and that the applicant has given assurance that it will fully comply with all applicable civil rights statutes and EPA regulations.

A. *Signature of Authorized EPA Official

B. Title of Authorized Official

C. Date

*** See Instructions**

Instructions for EPA FORM 4700-4 (Rev. 06/2014)

General. Recipients of Federal financial assistance from the U.S. Environmental Protection Agency must comply with the following statutes and regulations.

Title VI of the Civil Rights Acts of 1964 provides that no person in the United States shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. The Act goes on to explain that the statute shall not be construed to authorize action with respect to any employment practice of any employer, employment agency, or labor organization (except where the primary objective of the Federal financial assistance is to provide employment). Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act provides that no person in the United States shall on the ground of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under the Federal Water Pollution Control Act, as amended. Employment discrimination on the basis of sex is prohibited in all such programs or activities. Section 504 of the Rehabilitation Act of 1973 provides that no otherwise qualified individual with a disability in the United States shall solely by reason of disability be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. Employment discrimination on the basis of disability is prohibited in all such programs or activities. The Age Discrimination Act of 1975 provides that no person on the basis of age shall be excluded from participation under any program or activity receiving Federal financial assistance. Employment discrimination is not covered. Age discrimination in employment is prohibited by the Age Discrimination in Employment Act administered by the Equal Employment Opportunity Commission. Title IX of the Education Amendments of 1972 provides that no person in the United States on the basis of sex shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance. Employment discrimination on the basis of sex is prohibited in all such education programs or activities. Note: an education program or activity is not limited to only those conducted by a formal institution. 40 C.F.R. Part 5 implements Title IX of the Education Amendments of 1972. 40 C.F.R. Part 7 implements Title VI of the Civil Rights Act of 1964, Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act, and Section 504 of The Rehabilitation Act of 1973. The Executive Order 13166 (E.O. 13166) entitled; "Improving Access to Services for Persons with Limited English Proficiency" requires Federal agencies work to ensure that recipients of Federal financial assistance provide meaningful access to their LEP applicants and beneficiaries.

Items "Applicant" means any entity that files an application or unsolicited proposal or otherwise requests EPA assistance. 40 C.F.R. §§ 5.105, 7.25. "Recipient" means any entity, other than applicant, which will actually receive EPA assistance. 40 C.F.R. §§ 5.105, 7.25. "Civil rights lawsuits and administrative complaints" means any lawsuit or administrative complaint alleging discrimination on the basis of race, color, national origin, sex, age, or disability pending or decided against the applicant and/or entity which actually benefits from the grant, but excluding employment complaints not covered by 40 C.F.R. Parts 5 and 7. For example, if a city is the named applicant but the grant will actually benefit the Department of Sewage, civil rights lawsuits involving both the city and the Department of Sewage should be listed. "Civil rights compliance review" means any review assessing the applicant's and/or recipient's compliance with laws prohibiting discrimination on the basis of race, color, national origin, sex, age, or disability. Submit this form with the original and required copies of applications, requests for extensions, requests for increase of funds, etc. Updates of information are all that are required after the initial application submission. If any item is not relevant to the project for which assistance is requested, write "NA" for "Not Applicable." In the event applicant is uncertain about how to answer any questions, EPA program officials should be contacted for clarification. * Note: Signature appears in the Approval Section of the EPA Comprehensive Administrative Review For Grants/Cooperative Agreements & Continuation/Supplemental Awards form.

Other Attachment File(s)

* Mandatory Other Attachment Filename:

Add Mandatory Other Attachment

Delete Mandatory Other Attachment

View Mandatory Other Attachment

To add more "Other Attachment" attachments, please use the attachment buttons below.

Add Optional Other Attachment

Delete Optional Other Attachment

View Optional Other Attachment



EPA KEY CONTACTS FORM

OMB Number: 2030-0020
Expiration Date: 06/30/2024

Authorized Representative: *Original awards and amendments will be sent to this individual for review and acceptance, unless otherwise indicated.*

Name:	Prefix:	<input type="text"/>	First Name:	<input type="text" value="Lorena"/>	Middle Name:	<input type="text"/>
	Last Name:	<input type="text" value="Andrade"/>			Suffix:	<input type="text"/>
Title:	<input type="text" value="Director"/>					
Complete Address:						
	Street1:	<input type="text" value="2000 Texas Ave."/>				
	Street2:	<input type="text"/>				
	City:	<input type="text" value="El Paso"/>	State:	<input type="text" value="TX: Texas"/>		
	Zip / Postal Code:	<input type="text" value="79901-1919"/>	Country:	<input type="text" value="USA: UNITED STATES"/>		
Phone Number:	<input type="text" value="9155882760"/>		Fax Number:	<input type="text"/>		
E-mail Address:	<input type="text" value="lorena@mujerobrera.org"/>					

Payee: *Individual authorized to accept payments.*

Name:	Prefix:	<input type="text"/>	First Name:	<input type="text" value="Lorena"/>	Middle Name:	<input type="text"/>
	Last Name:	<input type="text" value="Andrade"/>			Suffix:	<input type="text"/>
Title:	<input type="text"/>					
Complete Address:						
	Street1:	<input type="text" value="2000 Texas Ave."/>				
	Street2:	<input type="text"/>				
	City:	<input type="text" value="El Paso"/>	State:	<input type="text" value="TX: Texas"/>		
	Zip / Postal Code:	<input type="text" value="79901-1919"/>	Country:	<input type="text" value="USA: UNITED STATES"/>		
Phone Number:	<input type="text" value="9155882760"/>		Fax Number:	<input type="text"/>		
E-mail Address:	<input type="text" value="lorena@mujerobrera.org"/>					

Administrative Contact: *Individual from Sponsored Programs Office to contact concerning administrative matters (i.e., indirect cost rate computation, rebudgeting requests etc).*

Name:	Prefix:	<input type="text"/>	First Name:	<input type="text" value="Jackie"/>	Middle Name:	<input type="text"/>
	Last Name:	<input type="text" value="Tellez"/>			Suffix:	<input type="text"/>
Title:	<input type="text" value="Finance Manager"/>					
Complete Address:						
	Street1:	<input type="text" value="2000 Texas Ave."/>				
	Street2:	<input type="text"/>				
	City:	<input type="text" value="El Paso"/>	State:	<input type="text" value="TX: Texas"/>		
	Zip / Postal Code:	<input type="text" value="79901"/>	Country:	<input type="text" value="USA: UNITED STATES"/>		
Phone Number:	<input type="text" value="9153458564"/>		Fax Number:	<input type="text"/>		
E-mail Address:	<input type="text" value="jackietellez@gmail.com"/>					

EPA KEY CONTACTS FORM

Project Manager: *Individual responsible for the technical completion of the proposed work.*

Name: **Prefix:** **First Name:** **Middle Name:**

Last Name: **Suffix:**

Title:

Complete Address:

Street1:

Street2:

City:

State:

Zip / Postal Code:

Country:

Phone Number:

Fax Number:

E-mail Address:

Project Narrative File(s)

* **Mandatory Project Narrative File Filename:**

To add more Project Narrative File attachments, please use the attachment buttons below.

BUDGET INFORMATION - Non-Construction Programs

OMB Number: 4040-0006
Expiration Date: 02/28/2022

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. EPA:Enhanced Air Quality for Communities	66.034	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text" value="500,000.00"/>	\$ <input type="text"/>	\$ <input type="text" value="500,000.00"/>
2. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5. Totals		\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text" value="500,000.00"/>	\$ <input type="text"/>	\$ <input type="text" value="500,000.00"/>

Standard Form 424A (Rev. 7- 97)
Prescribed by OMB (Circular A -102) Page 1

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
	EPA:Enhanced Air Quality for Communities				
a. Personnel	\$ 276,900.00	\$	\$	\$	\$ 276,900.00
b. Fringe Benefits	55,380.00				55,380.00
c. Travel	3,120.00				3,120.00
d. Equipment					
e. Supplies	7,800.00				7,800.00
f. Contractual	85,000.00				85,000.00
g. Construction					
h. Other	21,800.00				21,800.00
i. Total Direct Charges (sum of 6a-6h)	450,000.00				\$ 450,000.00
j. Indirect Charges	50,000.00				\$ 50,000.00
k. TOTALS (sum of 6i and 6j)	\$ 500,000.00	\$	\$	\$	\$ 500,000.00
7. Program Income	\$	\$	\$	\$	\$

Authorized for Local Reproduction

Standard Form 424A (Rev. 7-97)
Prescribed by OMB (Circular A -102) Page 1A

SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program		(b) Applicant	(c) State	(d) Other Sources	(e)TOTALS
8.	EPA:Enhanced Air Quality for Communities	\$ <input style="width:80%;" type="text"/>	\$ <input style="width:80%;" type="text"/>	\$ <input style="width:80%;" type="text"/>	\$ <input style="width:80%;" type="text"/>
9.	<input style="width:95%;" type="text"/>	<input style="width:80%;" type="text"/>	<input style="width:80%;" type="text"/>	<input style="width:80%;" type="text"/>	<input style="width:80%;" type="text"/>
10.	<input style="width:95%;" type="text"/>	<input style="width:80%;" type="text"/>	<input style="width:80%;" type="text"/>	<input style="width:80%;" type="text"/>	<input style="width:80%;" type="text"/>
11.	<input style="width:95%;" type="text"/>	<input style="width:80%;" type="text"/>	<input style="width:80%;" type="text"/>	<input style="width:80%;" type="text"/>	<input style="width:80%;" type="text"/>
12. TOTAL (sum of lines 8-11)		\$ <input style="width:80%;" type="text"/>	\$ <input style="width:80%;" type="text"/>	\$ <input style="width:80%;" type="text"/>	\$ <input style="width:80%;" type="text"/>

SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ <input style="width:80%; text-align: right; value: 223,340.00;" type="text"/>	\$ <input style="width:80%; text-align: right; value: 34,585.00;" type="text"/>	\$ <input style="width:80%; text-align: right; value: 34,585.00;" type="text"/>	\$ <input style="width:80%; text-align: right; value: 34,585.00;" type="text"/>	\$ <input style="width:80%; text-align: right; value: 119,585.00;" type="text"/>
14. Non-Federal	\$ <input style="width:80%;" type="text"/>	<input style="width:80%;" type="text"/>	<input style="width:80%;" type="text"/>	<input style="width:80%;" type="text"/>	<input style="width:80%;" type="text"/>
15. TOTAL (sum of lines 13 and 14)	\$ <input style="width:80%; text-align: right; value: 223,340.00;" type="text"/>	\$ <input style="width:80%; text-align: right; value: 34,585.00;" type="text"/>	\$ <input style="width:80%; text-align: right; value: 34,585.00;" type="text"/>	\$ <input style="width:80%; text-align: right; value: 34,585.00;" type="text"/>	\$ <input style="width:80%; text-align: right; value: 119,585.00;" type="text"/>

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program		FUTURE FUNDING PERIODS (YEARS)			
		(b)First	(c) Second	(d) Third	(e) Fourth
16.	EPA:Enhanced Air Quality for Communities	\$ <input style="width:80%; text-align: right; value: 223,340.00;" type="text"/>	\$ <input style="width:80%; text-align: right; value: 138,330.00;" type="text"/>	\$ <input style="width:80%; text-align: right; value: 138,330.00;" type="text"/>	\$ <input style="width:80%;" type="text"/>
17.	<input style="width:95%;" type="text"/>	<input style="width:80%;" type="text"/>	<input style="width:80%;" type="text"/>	<input style="width:80%;" type="text"/>	<input style="width:80%;" type="text"/>
18.	<input style="width:95%;" type="text"/>	<input style="width:80%;" type="text"/>	<input style="width:80%;" type="text"/>	<input style="width:80%;" type="text"/>	<input style="width:80%;" type="text"/>
19.	<input style="width:95%;" type="text"/>	<input style="width:80%;" type="text"/>	<input style="width:80%;" type="text"/>	<input style="width:80%;" type="text"/>	<input style="width:80%;" type="text"/>
20. TOTAL (sum of lines 16 - 19)		\$ <input style="width:80%; text-align: right; value: 223,340.00;" type="text"/>	\$ <input style="width:80%; text-align: right; value: 138,330.00;" type="text"/>	\$ <input style="width:80%; text-align: right; value: 138,330.00;" type="text"/>	\$ <input style="width:80%;" type="text"/>

SECTION F - OTHER BUDGET INFORMATION	
21. Direct Charges: <input style="width:95%; text-align: right; value: 450,000;" type="text"/>	22. Indirect Charges: <input style="width:95%; text-align: right; value: 50,000;" type="text"/>
23. Remarks: <input style="width:95%;" type="text"/>	

Authorized for Local Reproduction

Standard Form 424A (Rev. 7- 97)
Prescribed by OMB (Circular A -102) Page 2

Application for Federal Assistance SF-424

* 1. Type of Submission:

- ☐ Preapplication
☒ Application
☐ Changed/Corrected Application

* 2. Type of Application:

- ☒ New
☐ Continuation
☐ Revision

* If Revision, select appropriate letter(s):

* Other (Specify):

* 3. Date Received:

03/25/2022

4. Applicant Identifier:

5a. Federal Entity Identifier:

5b. Federal Award Identifier:

State Use Only:

6. Date Received by State:

7. State Application Identifier:

Texas

8. APPLICANT INFORMATION:

* a. Legal Name:

Centro Fronterizo del Obrero (dba) La Mujer Obrera

* b. Employer/Taxpayer Identification Number (EIN/TIN):

74-2219654

* c. Organizational DUNS:

0175994520000

d. Address:

* Street1:

2000 Texas Ave.

Street2:

* City:

El Paso

County/Parish:

Texas

* State:

TX: Texas

Province:

* Country:

USA: UNITED STATES

* Zip / Postal Code:

79901-1919

e. Organizational Unit:

Department Name:

Division Name:

f. Name and contact information of person to be contacted on matters involving this application:

Prefix:

* First Name:

Lorena

Middle Name:

* Last Name:

Andrade

Suffix:

Title:

Director

Organizational Affiliation:

* Telephone Number:

9155882760

Fax Number:

* Email:

lorena@mujerobrera.org

Application for Federal Assistance SF-424

* 9. Type of Applicant 1: Select Applicant Type:

M: Nonprofit with 501C3 IRS Status (Other than Institution of Higher Education)

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

* 10. Name of Federal Agency:

Environmental Protection Agency

11. Catalog of Federal Domestic Assistance Number:

66.034

CFDA Title:

Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities
Relating to the Clean Air Act

* 12. Funding Opportunity Number:

EPA-OAR-OAQPS-22-01

* Title:

Enhanced Air Quality Monitoring for Communities

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

1249-Barrio Chamizal Proposed Area (1).png

Add Attachment

Delete Attachment

View Attachment

* 15. Descriptive Title of Applicant's Project:

Chamizal Community Action Plan: a block-by-block, hyper-local air quality data collection and mitigation advocacy

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

Application for Federal Assistance SF-424**16. Congressional Districts Of:**

* a. Applicant

16

* b. Program/Project

16

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment

Delete Attachment

View Attachment

17. Proposed Project:

* a. Start Date:

09/01/2022

* b. End Date:

08/31/2025

18. Estimated Funding (\$):

* a. Federal	500,000.00
* b. Applicant	0.00
* c. State	0.00
* d. Local	0.00
* e. Other	0.00
* f. Program Income	0.00
* g. TOTAL	500,000.00

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**☐ a. This application was made available to the State under the Executive Order 12372 Process for review on .☐ b. Program is subject to E.O. 12372 but has not been selected by the State for review.☒ c. Program is not covered by E.O. 12372.*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**☐ Yes☒ No

If "Yes", provide explanation and attach

Add Attachment

Delete Attachment

View Attachment

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

☒ ** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix:

* First Name:

Lorena

Middle Name:

* Last Name:

Andrade

Suffix:

* Title:

Director

* Telephone Number:

9155882760

Fax Number:

* Email:

lorena@mujerobrera.org

* Signature of Authorized Representative:

Lorena Andrade

* Date Signed:

03/25/2022



Cemelli de Aztlan, MDiv

cdeaztlan@alumni.harvard.edu +1 (915) 799-2890

Education

Harvard University, Cambridge, MA
Master of Divinity, 2009
Concentration: Women in Religious Studies
Concordia University, Austin, TX
Bachelor of Arts, 2005
Major: English Minor: Religious Studies

Universitat Autònoma, Barcelona, Spain
Center of Study & Investigation for Global
Dialogues: Decolonizing Knowledge & Power
Summer Program, 2014
Oak Hill Theological College, London, UK
Semester Abroad Program- Fall 2003

Professional Experience

La Mujer Obrera, El Paso, TX

November 2021-current

Community Organizer

- Organize community members to address discrimination, inequality, injustice
- Meet with public officials, leaders in community and residents
- Organize and facilitate meetings, events and press conferences

University of Texas at El Paso, El Paso, TX

August 2014- December 2021

Faculty, Adjunct Lecturer (part-time)

- Design courses with a focus on gender, culture, and religion
- Prepare lectures, facilitate class discussions and grade students

American Civil Liberties Union / Equal Voice Network, TX

September 2014- May 2021

Network Weaver

- Coordinate key collaborations on projects, events and campaigns
- Connect public, press and politicians to grassroots issues
- Community organizing, public relations & capacity building

University of Texas at El Paso, El Paso, TX

September 2013-August 2014

Coordinator of Student Life Programs

- Development, implementation, assessment of student life programming and events
- Plan and facilitate 21st Century Scholars program & create and manage Co-Curricular Transcripts

Unitarian Universalists of El Paso, El Paso, TX

August 2013- January 2015

Director of Religious Education

- Lead program, supervise and hire staff
- Create curriculum and conduct presentations on cultural and spiritual development, organize events, field trips & fundraising

YWCA El Paso del Norte Region, El Paso, TX

April 2011- August 2013

Racial Justice Program Manager

- Plan programming, events and award ceremonies; facilitate presentations on racial justice
- Create curriculum for all age groups and conduct trainings for facilitators

Indigenous Cultures Institute, San Marcos, TX

August 2009- September 2010

Interim Director

- Ensure mission and vision in organizational goals and multi-year strategic plan
- Establish leadership roles and build relationships with key stakeholders



Cemelli de Aztlan, MDiv

cdeaztlan@alumni.harvard.edu +1 (915) 799-2890

Leadership/Volunteer Experience

Council Member- E.P.A., National Environmental Justice Advisory Council, U.S.A., 2020 Co-Chair- Democratic Socialists of America, El Paso, TX, 2020
Board President- La Mujer Obrera, El Paso, TX, 2020
Community Representative- El Paso Bernie Sanders Presidential Campaign Rally, 2020
Peer Review Panelist- National Association of Latino Arts & Cultures (NALAC), 2020
Research Fellow- In Our Back Yard (i.o.b.y.), Phase 0 Border Region, Brooklyn, NY, 2019 Labor Achievement Award- El Paso Central Labor Union, 2017
Elected Chair- Our Revolution, Organizing Committee, El Paso/Big Bend, TX, 2016-18
City Council Candidate- El Paso City Council, 2016
Board Member/ Treasurer- La Mujer Obrera, El Paso, TX, 2015-19
KCOS Talk Show Co-Host- "A Woman's Place", El Paso, TX, 2012
Board Member/Conference Co-Chair- Wise Latina International, El Paso, TX, 2011-16
Development Assistant- AmeriCorps Vista Volunteer Program, El Paso, TX, April 2010-11
Vice President- Harvard Divinity School Latin@ Student Association, Cambridge, MA, 2008-09
Vice President- Native Voices, Harvard Divinity School, Cambridge, MA, 2008-09
Economic Development Consultant- Ysleta Pueblo del Sur, TX, 2007
Board Member - Native American Law Students, Harvard University, Cambridge, MA, 2007-08 Editor -North American Indian Center Newsletter, June 2007-08
Research Associate- The Pluralism Project, Cambridge, MA, September 2006-07

Academic Presentations

El Paso Bernie Sanders Presidential Campaign Rally, 2020
World Water Week Conference, University of Texas at El Paso, 2020
Moral Courage Project- University of Dayton Human Rights Center, 2019
Hope Border Institute, Teach-In: Jornada por la Justicia, El Paso, TX, 2019
Mujeres Activas Letras Cambio Social Conference (MALCS), U.S.A., July 2015 & 2018
Allies for Racial Equity & Environmental Justice Conference, New Orleans, LA, March 2015
Center of Study & Investigation for Global Dialogues, Barcelona, Spain, July 2014
Facultad Latinoamericana Ciencias Sociales Sede, Ecuador, Quito (FLASCO), June 2009
Universidad Nacional de Colombia, Bogota, June 2009
Pontifica Universidad Javeriana, Bogota, June 2009
Rockefeller Center for the Study of International Relations, Cambridge, MA, May 2009
Mexican American Cultural Center, Austin, Texas, Aug. 2008
Harvard Law School, Native American Law Students Association, Oct. 2007

Frida D. Garcia Ledezma

6216 Taos Drive
(915)701-6842
garciafridad@gmail.com

EDUCATION

University of Texas at El Paso (UTEP)
Majoring in Geological Sciences
Undergoing third semester of coursework; 13 credits

Anticipated Graduation: 05/2024
Overall GPA: 3.92/4.00
Major GPA: 4.00/ 4.00

Honors and Activities:

Dean's List: *Fall 2020 – Present*

UTEP Honors Program: *Fall 2020 - Present*

Member of the following clubs and organizations: Sigma Gamma Epsilon Geology Club, American Women in Geology Society, Consejo Mexicano and Society for Advancement of Chicanos/Hispanics and Native Americans in Science: *Fall 2021 – Present*

PROFESSIONAL EXPERIENCE

UTEP CARES Intern at La Mujer Obrera
Undergraduate Research Assistant II,

09/2021-Present

- Conducted Research on Salazar Housing Project, Soil Contamination, and ways that low-income communities could safely clean contaminated soil
- Translated documents from English to Spanish and acted as a Spanish Interpreter during important meetings
- Organized and documented agendas during conferences
- Archived old newspapers as well as sorted important papers regarding education, environment, housing authority and immigration
- Prepared packets with information for workshops or meetings held at the organization's headquarters

Party City
Team Member

07/2021 - 09/2021

- Processed payment by cash, and credit cards, as well as handled returns and exchanges of products
- Inflated balloons and created arrangements per customer request
- Provided balloon insight for customers and aided them with their balloon orders to best fit their needs
- Maintain clean and orderly checkout areas and complete other general cleaning duties, such as mopping floors and emptying trash cans

Circle K
Lead Customer Service Associate

09/2020 - 12/2020

- Responsible for balancing out cash drawer at the end of each shift and submitting receipts to management.
- Assisted customers in cashing in and purchasing lottery tickets.
- Responsible for checking out customers and making sure that each transaction was accurate

ADDITIONAL SKILLS

- Proficient in MS Office (Word, Excel, PowerPoint)
- Fluent in English, and Spanish
- Trained Medical Translator

EDUCATION

University of Texas at El Paso

*B.S., Geological Sciences
Cum Laude*

El Paso, Texas

May 2018

GPA 3.52

National Science Foundation Award #DUE-1565063

Relevant Coursework: GEOG 3306 Weather and Climate
GEOG 3308 Climate Science
RSRC 4033 Undergraduate Research
GEOL 4166 Directed Study, Geology

El Paso Community College

*Associate of Science Geology
Geological Society of America's On To the Future Travel Grant*

May 2016

GPA 3.7

Vancouver, BC 2014

EXPERIENCE

Autism Learning Partners

Registered Behavioral Technician

El Paso, Texas

July 2019-March 2021

- Implementation of behavior reduction and treatment plans for children with ASD.
- Observational data collection.
- Quality assurance in diverse environments with clients and families.
- Communication of programs, goals and progress to families in Bilingual households.

Rio Valley Biofuels

Laboratory Technician

El Paso, Texas

Sept. 2018–Oct. 2019

- Performing all laboratory testing & analysis in support of biodiesel production.
- Maintaining records of testing process documents applicable to ensuring products meet specifications and quality standards.
- Safe handling and disposing of hazardous materials.
- Gas Chromatography System, Trace Sulfur Analyzer & Volumetric Karl Fischer Titrator machine maintenance and calibration.
- Certification of Analysis production analysis and completed documentation of finalized product.

University of Texas at El Paso

Undergraduate Researcher

El Paso, Texas

August 2016 – May 2018

- Sediment and mineralogical analysis of dust transport and deposition across the Chihuahuan Desert.
- Sample collection through marble dust pan & Petri-dish dust trap.
- Sample preparation for Rigaku x-ray diffractometer & Malvern Mastersizer diffractometer analysis.
- NOAA's HYSPLIT computer model data input/data interpretation.
- Accumulated scientific research reports were presented at COURI's Annual Research Symposia in 2017 & 2018.

Tutor

January 2017- May 2018

- Provided service learning to undergraduate students in core geology and environmental science courses.

Student Mentor, ROCCS NSF-REU Program

January 2017 – August 2017

- Field guide for community college students performing research in the geosciences.
- Coordinated travel and safety training for various field sites in the southwestern region.
- Assisted in technical geological mapping & sample selection protocol.
- Instructed students on use in QGIS mapping software, GPS & Allmendinger's Stereonet Software for stereographic projection of structural data in rock formations.

SKILLS

- Knowledge in ArcGIS, QGIS, Atmospheric/Sedimentological sampling & modeling, Sedimentological & mineralogical analysis, Microsoft Office, Technical report writing.
- Geological & environmental field experience throughout the Basin and Range Province and Chihuahuan Desert.
- Familiarity with OSHA standards and regulations, training in proper use of PPE and NFPA Hazard Rating diamonds and explanations.
- Bilingual: Spanish/English

HILDA VILLEGAS GARCIA

Ex. 6 Personal Privacy (PP)

Skills Summary

I am fluent in English and Spanish. Through my work experience I have acquired the capacity to understand and communicate with people from diverse backgrounds. I have office and computer skills and am knowledgeable in Microsoft Office, Photoshop InDesign. I excel in multitasking and handling stressful situations.

Education

El Paso Community College/ 2 years of college/ Journalism/ GPA 3.4/ El Paso Tx
David Carrasco Job Corps/ Electronics/ 1155 Gateway Blvd W, El Paso, TX 79935
Sunset High School/ High School Diploma/ 2851 Grant Ave, El Paso, TX 79930

Experience

La Mujer Obrera

Community Organizer/ October 2015-Present

I am a lead organizer for Familias Unidas del Chamizal an organizing project of La Mujer Obrera. Barrio Chamizal is a community situated next to the U.S and Mexico Border. It's a highly Mexican immigrant community, with limitation in language and mobility. The main effort of the organizer is to help the community develop a council of residents in 7 geographical areas within the Chamizal. Currently our group is working in the areas of environmental health/justice, barrio education, just housing and the Chamizal Community Center. The goal of the organizing project would be to develop a strong community group of leaders to be able to help address the problems that exist in the Chamizal. Current projects include the development of a green infrastructure plan, by community residents, for the Chamizal, lawsuit that challenged the attainment status of El Paso TX, by EPA for ozone, and the campaign to get school buses electrified to help reduce ozone and particulate matter pollution.

Centro Mayapan

Media Center Coordinator, Sept. 2009-Dec. 06, 2010

Material Developer, promotions and events aid. Over saw computer lab. Maintained lab clean. Produced fliers with photoshop and InDesign.

La Mujer Obrera

Mercado Mayapan Coordinator

Assisted with the development of Mercado Mayapan's economic project. Facilitated bidding process' and purchases of equipment for restaurant and supermarket area. Interviewed potential employees, created promotional materials and distributed information through flyers, emails, community calendars and press releases. Conducted community outreach efforts, conducted surveys and organized special events. Attended and presented to community and elected officials at public meetings.

Amerigroup Vista, La Mujer Obrera

Vista Volunteer-El Paso TX, Dec. 2005- Sept. 2007

Help with a feasibility study of Centro Mayapan Economic Development Project. Did research local competition of business around the area. Community outreach. Talked to residents to see their needs and possible business idea. Researched current economic development project.

Lesly Janette Castaneda Saldana

El Paso, TX. 79904 | ljcastaneda2@miners.utep.edu | lesly.janettesaldana@gmail.com | 915-345-2047

EDUCATION

The University of Texas at El Paso, UTEP.

Aug. 2019 – May 2023

Bachelor's in science of Biochemistry

Overall/GPA: 3.76/3.76 Major GPA: 4.0

Dean's List College of Science

Spring 2020 - Fall 2021

COMMUNITY SERVICE

Teacher's Assistant

Oct. 2017 – Mar. 2018

· Facilitate to revise and edit 10 Spanish essays per week as part of my community service hours.

ACTIVITIES AND LEADERSHIP

Intern at La Mujer obrera

Feb 2021-Present

- Performed research in health and education issues.
- Created a proposal for the City's Health department and became a volunteer.

Laboratory volunteer

Sep 2020-August 2021

- Member of Dr. River research at UTEP.

Enrolled in FYRYS lab Supramolecular Materials I

Aug 2019- May 2020

- Created several Metal-Organic Frameworks (MOF's), used for gas storage and purification.

Foreign languages

2017 - 2018

- Received an award "Excellence in a foreign language" in Spanish.
- Participate in a French contest and received 6th place locally.

SKILLS

Data analysis

Proliferate in Microsoft Office

- Word, Excel, PowerPoint.

Efficient communication and multi-tasking.

Laboratory skills.

- Lab safety.
- Pipetting.

Foreign languages.

- Bilingual in English and Spanish.

Manifest for Grant Application # GRANT13580482

Grant Application XML file (total 1):

1. GrantApplication.xml. (size 30744 bytes)

Forms Included in Zip File(total 6):

1. Form ProjectNarrativeAttachments_1_2-V1.2.pdf (size 16046 bytes)

2. Form SF424_3_0-V3.0.pdf (size 24150 bytes)

3. Form SF424A-V1.0.pdf (size 22753 bytes)

4. Form EPA4700_4_3_0-V3.0.pdf (size 22655 bytes)

5. Form OtherNarrativeAttachments_1_2-V1.2.pdf (size 15915 bytes)

6. Form EPA_KeyContacts_2_0-V2.0.pdf (size 37331 bytes)

Attachments Included in Zip File (total 16):

1. ProjectNarrativeAttachments_1_2 ProjectNarrativeAttachments_1_2-Attachments-1239-Key Personnel Organizer H Garcia.pdf application/pdf (size 66797 bytes)

2. ProjectNarrativeAttachments_1_2 ProjectNarrativeAttachments_1_2-Attachments-1234-EPA Chamizal Community Action Plan_ a block-by-block data collection and mitigation advocacy project (3).pdf application/pdf (size 149397 bytes)

3. ProjectNarrativeAttachments_1_2 ProjectNarrativeAttachments_1_2-Attachments-1240-EPA ARP - Aclima Quality Assurance Statement.pdf application/pdf (size 66950 bytes)

4. ProjectNarrativeAttachments_1_2 ProjectNarrativeAttachments_1_2-Attachments-1241-EPA ARP - Aclima Uniqueness of Services.pdf application/pdf (size 31817 bytes)

5. ProjectNarrativeAttachments_1_2 ProjectNarrativeAttachments_1_2-Attachments-1244-ACLIMA and La Mujer Obrera - Partnership Letter (1).pdf application/pdf (size 48726 bytes)

6. ProjectNarrativeAttachments_1_2 ProjectNarrativeAttachments_1_2-Attachments-1242-Aclima Team Bios.pdf application/pdf (size 2636522 bytes)

7. ProjectNarrativeAttachments_1_2 ProjectNarrativeAttachments_1_2-Attachments-1243-Aclima Project Team Melissa Lunden resume.pdf application/pdf (size 40245 bytes)

8. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1247-LMO Bylaws Centro del Obrero Fronterizo (LMO).pdf application/pdf (size 363589 bytes)

9. SF424_3_0 SF424_3_0-1249-Barrio Chamizal Proposed Area (1).png image/png (size 4186828 bytes)

10. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1246-Letters of Support Congress County Community Orgs Environmentalist 2022.pdf application/pdf (size 474634 bytes)

11. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1248-

Resumes CV Key Potential Environmental Committee Members.pdf application/pdf (size 701677 bytes)

12. ProjectNarrativeAttachments_1_2 ProjectNarrativeAttachments_1_2-Attachments-1235-Key Personnel Project Manager ASegura (1).pdf application/pdf (size 150698 bytes)

13. ProjectNarrativeAttachments_1_2 ProjectNarrativeAttachments_1_2-Attachments-1236-Key Personnel Community Organizer CdeAztlan CV.pdf application/pdf (size 180000 bytes)

14. ProjectNarrativeAttachments_1_2 ProjectNarrativeAttachments_1_2-Attachments-1237-Key Personnel Reasearch Assistant Frida D. Garcia Ledezma Update Resume 2022 .pdf application/pdf (size 169803 bytes)

15. ProjectNarrativeAttachments_1_2 ProjectNarrativeAttachments_1_2-Attachments-1238-Key Personnel Researcher L Castaneda.pdf application/pdf (size 111094 bytes)

16. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1245-La Mujer Obrera IRS determination letter.pdf application/pdf (size 781964 bytes)

Lorena Andrade is the Director of La Mujer Obrera. Lorena was born and raised in the Boyle Heights neighborhood of Los Angeles, California. The neighborhood has a rich history that was a significant place for organizing during the Chicano Movement. Yet, none of this history was taught during her primary and secondary education.

She attended the University of Minnesota in Minneapolis. It was not until she attended the U of M and became active in the Raza Student Cultural Center that she saw herself and her neighborhood represented in history. Lorena earned a B.A. in Chicano Studies while also organizing Chicanas, educational events, and spaces that strengthened and valued Chicana history. Through her activism at the U of M she met the founder of La Mujer Obrera.

In 1998, Lorena moved to the borderland of El Paso, Texas to begin working at La Mujer Obrera. Her first responsibility was to take cases for women workers displaced as a result of NAFTA. She also assisted in organizing meetings and actions to make the devastating consequences of NAFTA on Mexican women workers of El Paso visible to the broader community. Lorena coordinated and developed La Mujer Obrera's festivals and celebrations of Mexican heritage as well as U.S. immigrant worker history, which has been emphasized and incorporated into the organizing work.

In 2000, Lorena assisted in the planning and startup of La Mujer Obrera's social enterprises Rayito de Sol Daycare & Learning Center and Café Mayapán. A vital part of her responsibility was to ensure that Mexican heritage and workers voices were incorporated into the social enterprises. The curriculum of Rayito and menu and programs of Café Mayapan reflect the history and culture of the border.

Lorena values history and understands how it informs present struggles. Throughout her practice in the organization whether it was organizing protests or working in the social enterprises Lorena has archived and protected the pictures, newsletters, videos, testimonies, newspaper articles of La Mujer Obrera. She has also ensured that this practice was woven into the the organization. Lorena also organized trips with staff, membership, and youth to various cities to visit museums and archives, such as the Japanese American Museum in Los Angeles and Civil Rights Museum in Memphis. This was important to stimulate ideas and plans for the organization's own archive and museum.

In 2009, she initiated the formal program to archive the history of La Mujer Obrera, the Chicano Movement, and the history of Mexican women workers of El Paso. The organization had many documents and pictures but at this time it began its Mayachen: Museo & Archive.

Lorena became the director of La Mujer Obrera in 2011. She oversees, the organization's programs which include Familias Unidas del Chamizal, who defends the Chamizal against discriminatory practices and works on solving major problems in environmental health, education, housing, and basic quality of life. Proyecto Verde regenerates community health by building on the neighborhood's existing knowledgebase and practice related to ancestral food traditions (food growing and traditional food recipes) and traditional arts and creative expression. Tierra es Vida Community Farm a one-acre plot of land to reclaim ancestral food growing practices. Mayachen: Museo & Archive, a community collaborative effort preserving and disseminating a historically equitable record of the impressive and unique experience of Mexican workers and the community.

Résumé
January 2021

Professional Summary

Michael Gaglio is a biologist with over 20 years experience providing ecological restoration with a focus on regenerative design and conservation-oriented techniques. Drawing on exposure to a wide breadth of multidisciplinary experience from around the world, manages teams that design and build site-specific restoration projects suited to the client's needs. Specializes in desert ecosystems, rainwater harvesting, green infrastructure, earthwork, re-vegetation, wetland design and construction, ecology, plant nursery, regulatory documentation as well as management, client relations, and business development. Owner and technical lead of High Desert Native Plants LLC, based in El Paso, Texas and past President of the Board of Directors of The Frontera Land Alliance. He is a 5th generation native El Pasoan, has B.S. and M.S. degrees in biology from UTEP, is an outdoor enthusiast, and a strong advocate for land and water conservation.

Licenses, Certifications & Awards

Conservation Award Audubon Society, El Paso Trans-Pecos Chapter. February 2016

Texas Licensed Irrigator. License #LI0021997. Since 5/27/2015, Expires 5/31/2021

Certified Water Harvester Practitioner by Watershed Management Group. May 2016

MSHA Part 48 Training & Annual Refresher for Surface, Metal and Aggregate Mines by HP Training Services. June 2015 and June 2016.

Specialized Training Mr. Gaglio has attended as well as taught numerous workshops related to water harvesting, green infrastructure, earthwork to manage drainage on unimproved roads, and ecological restoration.

Employment History

High Desert Native Plants LLC. Owner. September 2007 to Present. In charge of all aspects of the company including technical operations, management, sales, and administration.

AMEC Earth & Environmental, Inc. Environmental Scientist and Project Manager. January 1999 to August 2007. Managed the Phase I Environmental Site Assessment (ESA) and NEPA department for the El Paso office of a global engineering firm. Trained junior environmental employees and managed two full-time personnel. Performed threatened and endangered species surveys, biological studies, and environmental monitoring.

Laboratory for Environmental Biology, Univ. of Texas at El Paso. Undergraduate Research Assistant, 1995 to 1998. Graduate Research Associate 1999 to 2000. Assisted and directed ecology research efforts on several projects in the deserts of the western U.S.

Education

B.S. Biological Sciences, University of Texas at El Paso, 1998

M.S. Biological Sciences, University of Texas at El Paso, 2000. Thesis Title: Preventing Excavation by the Harvester Ant *Pogonomyrmex salinus* (Hymenoptera: FORMICIDIAE).

Languages

English – Native, Technically proficient

Spanish – Conversational

Presentations & Publications

Planting the Water - Water Harvesting to Improve the World Around You. Presentation to El Paso Trans-Pecos Audubon Society, April 18, 2016 and EPCF Cultivate Forum Thursday, April 21, 2016.

Making Beautiful Places Beautiful Again - A Small Sample of Restoration Projects and Techniques. Presented to New Mexico Native Plant Society, Annual Meeting, August 1, 2014

Barr-Ardovino, J., M.D. Gaglio, D. Christiani. Code of the West – Landscapes that do Justice to a Dry Country. Presentation at Eco El Paso Seminar. Sept. 30, 2010

Barr-Ardovino, J., M.D. Gaglio, D. Christiani. LEEDing with the Landscape. Presentation to Chihuahuan Desert Chapter of the US Green Building Council. June 2010

Supplemental Training and Seminar Courses Attended

Ranch Road Repair and Water Harvesting Workshop by Steve Carson, hosted by the Fort Union Ranch and sponsored by the High Plains Grassland Alliance, Las Vegas, NM. June 2016

Water Harvesting Certification Course, Watershed Management Group, Tucson, AZ. March 2016

New Mexico Green Infrastructure and Water Harvesting Seminar by Stream Dynamics and Watershed Management Group, Sponsored by City of Las Cruces, December 2015

Stream Stabilization and Restoration Workshop, NMED and NRCS Seminar, Silver City, NM, May 2011

Southwestern Willow Flycatcher Training Workshop, USFWS, Albuquerque, NM, May 2009

Multiple land conservation workshops and seminars, Land Trust Alliance Rally, Denver, CO, October 2007

Volunteer/Community Service

The Frontera Land Alliance. Board Member 2007 to present, President of the Board of Directors from 2009 to 2014. Mr. Gaglio's work as board member and president of El Paso's only 501(c)(3) Non-Profit Land Trust organization involves forging and maintaining partnerships with multiple stakeholders, private land-owners, and land management agencies with an end

goal of land conservation. Under Mr. Gaglio's direction as president, Frontera increased its revenue by more than 400%, hired its first executive director and received a \$300,000 grant from the Department of Defense. Mr. Gaglio's leadership was instrumental in building the foundation on which Frontera has continued to successfully operate, expanding its operations and budget each year and is now recognized as the region's foremost conservation planning entity. Frontera received accreditation by the Land Trust Alliance in 2016.

Texas Parks and Wildlife Department – Volunteer for Franklin Mountains Deer Surveys. 2009 to present. Assist TPWD Urban Wildlife Biologist in conducting deer surveys in the Franklin Mountains State Park in El Paso. Mr. Gaglio participates in night-time spotting surveys and also collects deer observation data during recreational hikes and other field work.

Texas Parks and Wildlife Department – Volunteer for Dove Surveys. 2009 to present. Assist TPWD Urban Wildlife Biologists tracking population trends of Mourning Doves and White Winged Doves in El Paso by setting up capture stations and banding doves with USFWS approved bands.

Keystone Heritage Park - Restoration Activities Volunteer Coordinator. 2012 to Present. Assist Keystone Board of Directors by facilitating volunteer work days to plant trees, manage weeds, restore trails, build rainwater harvesting features and guide tours of the wetlands to schools, civic groups, boy scouts and girls scouts.

References

Gilbert G. Mesa, PE. Utility Manager, Ft. Bliss Water Services Company. Bldg. 516-A, Pleasonton Road. Fort Bliss, TX 79916. (915) 564-1332 x3031.
gilbert.mesa@ftbliss.asusinc.com

Lois Balin, Urban Wildlife Biologist, Texas Parks and Wildlife Department, El Paso, Texas. (915) 774-9603. lois.balin@tpwd.texas.gov.

Jamie Barnes, V.P. Wood PLC 125 Montoya Road, El Paso, TX 79932. (915) 585-2472.
jamie.barnes@amecfw.com

Ricardo Montijo, Natural Resources Program Director, SWCA Environmental Consultants.
150 South Arroyo Parkway, 2nd Floor, Pasadena, California 91105. (626) 240-0587 ext. 6654.
rmontijo@swca.com

Verónica Carbajal

Background:

Verónica is a fourth generation *fronteriza*. She was born in El Paso, just blocks from where her great-grandparents started their family in the Chamizal neighborhood, and raised in Juarez, down the street from where her great-grandparents moved in order to fulfill their dream of owning a home. Like her great-grandfather, grandfather and thousands of border residents, Verónica and her mother commuted from Juarez to El Paso, where she attended school and her mom worked. Her values have been shaped by her ancestors' teachings and her upbringing by a single, working class mom. Verónica has devoted her life to social justice, particularly, environmental justice, fair and affordable housing, historic and cultural preservation, and animal rights. She is a lawyer and a children's book author.

Education:

The University of Texas School of Law, Austin, TX

J.D., 2004

- Scholarship recipient 2001-2004
- Texas Hispanic Journal of Law and Policy, Submissions Editor, 2003-2004; Staff, 2002-2003
- Immigration Clinic, Spring 2004

Brown University, Providence, RI

- Andrew W. Mellon Minority Undergraduate Fellowship
- Honors Environmental Studies Thesis: *Chicanas and Environmental Justice*
- Universidad de las Americas, Puebla, MEX, Semester Abroad, Fall 1996

Languages: Fluent in Spanish

Awards and Bar Associations:

- Named a Rising Star by *Texas Super Lawyers*, 2010
- Impact Award recipient by the Texas Bar Poverty Law Section, 2015
- Charter Member of the George McAlmon American Inns of Court

Work History:

Texas RioGrande Legal Aid, Inc. (TRLA), El Paso, TX: June 2004 – Present

Staff Attorney

Team Manager: Homelessness Prevention and Rapid Rehousing

Group Coordinator: Community Preservation and Empowerment

Duties include:

- Casehandling: the direct provision of legal advice and legal services ranging from limited services to litigation in administrative tribunals and state and federal court to thousands of families.
- Managerial: supervising the work of team managers, staff attorneys, and paralegals; developing intake protocol; identifying priorities for the following teams: Colonias and Real Estate, Community Development, and Environmental Justice; and developing training and outreach materials including CLE's, manuals and brochures.
- Practice areas: Environmental Justice; Real Estate, including traditional loans, wrap around loans, and contracts for deed; Landlord/Tenant including subsidized housing, private rentals, and mobile home parks; Fair Housing/Discrimination; Disaster Assistance; and Community Development

Mithoff & Jacks, L.L.P., Austin, TX: May 2002 – February 2004

Law Clerk: Prepared case pleadings and filings, conducted legal research, and translated documents, primarily for environmental toxic tort cases.

University of Texas School of Law, Austin, TX: January 2003 - October 2003

Research Assistant, Prof. Karen Engle: Conducted research for law review articles.

American Civil Liberties Union, Texas Chapter, Austin, TX: May 2001 – August 2001

Volunteer Intern: Conducted research on international human rights.

Paso del Norte Clean Cities Coalition, El Paso, TX: February 1999 - August 2001

Air Quality Program Outreach Coordinator: Oversaw binational, bilingual air quality and vehicle maintenance outreach programs; received DOE Clean Cities Inc. 2000 Public Outreach Award.

Environmental Defense, El Paso, TX: June 1998 - February 1999

Intern/Consultant: Translated a book, a strategic plan and manuals for binational air quality program.

Childhood Lead Action Project–Lead Poisoning Advocacy, Providence, RI: Feb. 1997 - May 1997

Intern: Prepared and documented meetings, staffed the office, and organized press conferences.

Office of Student Life, Brown University, September 1995- May 1996

Residential Counselor: Provided counseling and organized activities for a first-year unit.

Environmental Studies Diversity Working Group, Brown University, Sept. 1995 - May 1996

Coordinated the Center for Environmental Studies' recruitment and retention of students of color.

Undergraduate Teaching Research Assistant, Brown University, June 1995 - September 1995

Research Assistant: Revised curriculum for environmental studies introductory course.

Brown Annual Fund, Brown University: February 1995 - May 1995

University Food Services, Brown University: September 1994 - February 1995

Volunteer Work:

George McAlmon Inns of Court, El Paso, Texas
Associate, 2016 to present

City of El Paso Fair Housing Task Force, El Paso, Texas
Voting Member, 2012 to 2014; Ex-officio member, 2014 to 2015

Brown University Alumni Association
Area Chair for Midland-Amarillo-El Paso, 2007-2011; Volunteer, 1998 to 2017

Paso del Norte Civil Rights Project, El Paso, TX
Local Board member, 2008 to 2012

Texas Civil Rights Project, Austin, TX
State Board Member, 2012 to 2012

El Paso Times Judicial Candidates Endorsements, El Paso, TX
Primary and general election of 2014 and 2018

Green Hope Project, Inc., El Paso, TX
Board member, 2019 to 2020

Small Business Owner:

Muneca's Books, LLC. Self-published author of bilingual books for children.

Notable Casework:**Community Development**

Co-Counsel, Duranguito: 2016 to 2020

Represented tenants living in the Duranguito neighborhood against their slumlord and obtained emergency repairs and monetary compensation, as well as relocation to public housing and the closing of the tenement. Currently represent two current tenants and two former tenants in the litigation brought by the City regarding its use of 2012 Quality of Life Bonds. The trial court ruled the City could not build a sports arena with bond money. The Third Court of Appeals reversed the ruling. The tenants filed a brief in support of their petition for review before the Texas Supreme Court. Key issues: Does the bond ordinance allow the City to build a sports arena? Does the bond ordinance allow the City to prioritize building a multipurpose performing arts center at the expense of another bond projects, the Mexican American Cultural Center?

Environmental Justice

Lead Counsel, ASARCO, SOAH Docket 582-05-0593: 2005 to 2014

ASARCO operated a copper smelter in El Paso, Texas for over 100 years, until it shut down in 1999. Advocacy included the following. TRLA was one of several legal teams to represent Protestants in contesting the company's state air permit renewal in a hearing before the State Office of Administrative Hearings, which resulted in a recommendation by the Administrative Law Judges that the permit should be denied, but which was granted by the Texas Commission on Environmental Quality (TCEQ). The company filed for bankruptcy and decided not to reopen, shortly after the Environmental Protection Agency (EPA) requested a new source application. Once the remediation of the site began in 2009, the Ex-ASARCO Workers, represented by TRLA, were one of a couple of stakeholders to consistently advocate for environmental and health concerns related to the plant's operations. TRLA prepared and submitted comments to the remediation plans (aided by renowned expert Wilma Subra), organized meetings with lead environmental agencies, including EPA Region VI Director and key staff, oversaw two EPA technical assistance grants (TASC), conducted worker interviews that led to additional soil and water sampling, held press conferences, and more. TRLA advocated for the workers whose health was severely affected by their exposure to toxins at the plant, including contacting key health and environmental organizations, retrieving medical records from ASARCO, helping coordinate a continuing medical education course for local doctors regarding occupational exposure, and informing the work of political leaders on this issue as called upon.

Lead Counsel: El Paso Electric. Co., SOAH Docket 582-13-1520, 2012-2014

Represented Far East El Paso Citizens United (FEEPCU) as the only organization to challenge El Paso Electric Company's air permit for a new power plant in the Montana Vista *colonia*. Montana Vista has thousands of residents, most of whom are poor and lack basic infrastructure. The community is located outside the city's zoning power and is surrounded by small and large polluters, including the Magellan Terminal, which has 18 fuel storage tanks. TRLA represented FEEPCU before the State Office of Administrative Hearings: hired 2 experts and reviewed their pre-filed testimony, participated in depositions and discovery, participated in 3 day administrative hearing, submitted briefs and reply briefs, and other litigation matters. TRLA also represented the organization in challenging the company's greenhouse gas permit before the EPA and hired an expert and submitted comments. The organization also intervened before the Public Utility Commission (PUC). FEEPCU and the company reached a settlement that includes the creation of a Citizens Advisory Panel, \$100,000 investment in community projects, \$50,000 for energy efficiency projects for residents, and an agreement that the company will not expand operation at the plant past the 4 permitted turbines, with the exception of solar energy. TRLA also represented FEEPCU before Ft. Bliss (U.S. ARMY), which planned to build a waste incinerator next to the new power plant. After comments were submitted by the community, Ft. Bliss decided on a different location.

Co-Counsel, Familias Unidas del Chamizal: 2017 to present

Represent the organization in its efforts to save the abandoned Salazar Community owned by the Housing Authority of the City of El Paso and commenting on the City of El Paso's Housing Plan and Analysis of Impediment. Manage attorneys working on complaints related to the EPISD Bus Hub relocated to Bowie High School, EPISD school closures of Bursleson and Beall Elementaries, and issues related to air pollution and safety hazards from nearby recycling facilities.

Fair Housing

Lead Counsel, 2012-2015: *Chavez v. Aber*, 122 F.Supp.3d 581 (W.D. Tex. 2015).

Represented tenant, a minor, with mental health disabilities against private landlord for denying tenant use of emotional support animal because of the dog's breed. Represented tenant in Justice Court, State Court and brought affirmative lawsuit in federal court for violations of the Fair Housing Act, which resulted in the second published opinion regarding a pit bull dog as a support animal and settlement.

Co-Counsel, 2008-2009: *Maria C. Mora, et al v. City of El Paso, Texas, Defendant, Cause No. EP08CV0466 (W.D.Tex.-El Paso Div. (Martinez).*

Co-counseled with the Paso del Norte Civil Rights Project and represented a homeowner in a federal lawsuit against the City of El Paso under the Fair Housing Act (FHA) and Americans with Disabilities Act (ADA) after the City rebuilt the home with a city loan and failed to comply with accessible housing rules. Settlement resulted in cash settlement for homeowner.

Real Estate

Lead Counsel, 2012 to 2018: *Reyes v. Annette Burrus*, 2012-DCV-03532 (346th Dist. Court); *Burrus v. Reyes*, 08-12-00200-CV (8COA), *Burrus v. Reyes*, 516 S.W.3d 170 (Tex. App. – El Paso 2017, pet. denied). Represented homeowners against seller in an oral contract for deed case in Tornillo, Texas. Filed lawsuit and temporary restraining order against seller and company representing Dollar General after homeowners found out that the land and mobile home that they had paid for, occupied and built on for 17 years had been sold without their knowledge or consent. Settlement with Dollar General resulted in cash proceeds for clients and attorney's fees. Seller, with Dollar General, obtained injunction to stop distribution of settlement proceeds. Homeowners appealed before the Eighth Court of Appeals and won. Jury awarded homeowners monetary damages and attorney's fees against seller. Court of appeals affirmed the jury award.

Lead Counsel, 2012-2014: Represented homeowner who bought a home with a loan from the City of El Paso. Home had to be demolished after repair work showed foundation was improperly set. Homeowner was responsible for mortgage on home and rent since home was uninhabitable. Researched legal options for client and worked with Habitat for Humanity for the rebuilding of the home at zero cost to homeowner.

Lead, co-Counsel, and manager, 2012 to the present. Represented hundreds of homebuyers with contract for deed transactions, including participation in programs run by the Texas Department of Housing and Community Affairs.

Wraparound Real Estate

Lead Counsel, 2012 to present. Represented over 100 homebuyers in wraparound mortgages. Wraparound real estate sales are when a seller provides seller-financing (acts like a bank) and does not pay off the first lien on the house when the buyer decides to buy the property. Ideally, the buyer's payments to the seller are used to pay the first lien and their own debt to the seller. Unfortunately, wrap sales can be used to defraud buyers when the seller pockets the money instead of paying the first lien. Our approach has been to file administrative complaints with the Attorney General and the Texas Department of Savings and Lending, along with civil lawsuits to shut down the worst actors. Almost all homebuyers kept their homes or received money damages or their equivalent.

Subsidized Housing

Lead Counsel, 2006. Represented Katrina evacuee in state lawsuit challenging the Housing Authority of the City of El Paso's (HACEP) application of its abandonment policy.

Lead Counsel, 2008. Represented tenant in eviction and fair housing complaint against HACEP. Conciliation resulted training by the Department of Housing and Urban Development (HUD) for HACEP staff and hiring of additional staff.

Lead Counsel, 2009-2010. Represented HACEP public housing tenants facing termination for chronic late payments. Agreement with HACEP resulted in the housing authority not terminating hundreds of families and changing their lease to clarify when rent payments are considered late.

Lead Counsel, 2011-2012. Lead TRLA team that represented HACEP public housing and Section 8 participants that were terminated from housing and rendered homeless for allegedly violating the housing authority's policy regarding criminal activity. HACEP hired former police officers to investigate these cases, which resulted in dozens of tenants being forced to sign "voluntary termination agreements" and pay alleged overpayments or face incarceration. TRLA represented dozens of tenants, which resulted in reinstatement of benefits for tenants, a change in HACEP's policy regarding criminal investigations, cash settlements for tenants, and attorney's fees. At TRLA's request, HACEP sent out letters to approximately 100 more families that were affected by these investigations and offered to reinstate their benefits.

Homelessness Prevention and Rapid Rehousing

Manager, 2009-2011: Set up and managed Homelessness Prevention and Rapid Rehousing (HPRP) team in El Paso, funded with HUD stimulus grant. Oversaw team consisting of one attorney, one paralegal, and one secretary; worked with HPRP partners, and conducted legal research. Over the course of 22 months, the HPRP team in El Paso provided legal services to over 350 household.

Disaster Assistance

Co-Counsel, 2006-2007: Mowad Floods

Represented nearly 30 families (homeowners and tenants) before the City of El Paso after the Mowad community flooded and the City announced a voluntary buy-out program. TRLA, using the Uniform Relocation Act (URA), negotiated replacement home values, challenged appeals, and guided residents through the process. Also represented families before the Federal Emergency Management Agency (FEMA).

Co-Counsel, 2006-2007: Ramirez, et al v. City of El Paso, Cause No. 2006-5702 (41st Dist. Court), Represented 7 Mowad families (homeowners) in a state court lawsuit against the City of El Paso for constructive eviction, due process and equal protection violations, and violations of the URA. Settlement resulted in residents being able to remain in their homes until their participation in the buyout was complete.

Lead Counsel, 2007-2010: Bustillos and Campos v. City of El Paso, 2007-4560 (34th Dist. Court) Represented 2 Mowad families (tenants) in a state court lawsuit against the City of El Paso for improperly denying them relocation assistance per the URA and due process and equal protection laws. City lost plea to the jurisdiction and appealed. Briefed and argued the issue before the Eighth Court of Appeals and won. Settlement resulted in cash settlement for tenants and attorney's fees.

BYLAWS
OF
CENTRO DEL OBRERO FRONTERIZO, INC.

ARTICLE I

The official name of the Corporation will be Centro Del Obrero Fronterizo, Inc. (hereinafter called the Corporation).

ARTICLE II

As it has been established in the Articles of Incorporation; the Corporation, has been formed for the purposes herein established.

Section 2.01 -- The object of such will be to work exclusively for purposes of educational or charitable purposes.

Section 2.02 -- To advocate for the economic rights of the displaced, unemployed and the sub-employed within the County of El Paso.

Section 2.03 -- Try to impact politics that aggravate the existing problems of the more poor communities.

Section 2.04 -- To elevate groups of poor people of El Paso County to a more adequate economic state and promote their participation within the economic structure of the community.

Section 2.05 -- Develop an economic plan utilizing the local institutions and their existing abilities at hand, that will facilitate the development of self-sufficiency; and prevent the chronic unemployment and socioeconomic deterioration of the poor communities in El Paso County.

Section 2.06 -- Look for the means to introduce or form co-operatives to increment or create employment opportunities for the unemployed people in the poor communities of El Paso County.

ARTICLE III

Section 3.01 -- Power of the Corporation: To accomplish the purpose of the Corporation, the Board of Directors of the Corporation shall have the authority to exercise all rights granted to the Corporation established in the state of Texas by the State of Texas Non-Profit Corporation Act, including but not limited to accepting donations of money or property, real or personal property,

and/or any other interest regardless of its location as long as these powers are exercised as permitted as a non-profit Corporation in Section 501 (c) (3) of the Internal Revenue Service Code.

ARTICLE IV

Section 4.01—The membership of Centro del Obrero Fronterizo, Inc. will consist of the number of people registered as members, the majority of which will be low-income people residing in El Paso County, and who support the goals and purposes as described in Articles II, Section 2.01 to 2.06.

Section 4.02—Voting The Membership of Centro del Obrero Fronterizo, Inc., should express its will in all matters that require a vote as defined by the bylaws.

Section 4.03—Membership Committees To select the Board of Directors and the members of Committees, all members should be residents of El Paso County.

- a. Governance: The Board of Directors of Centro del Obrero Fronterizo, Inc. will be governed by these Bylaws.
- b. Officers: The members of the General Assembly will elect 4 members to the Board of Directors, which are the President, the Vice-President, the Secretary and the Treasurer.
- c. Annual Meeting: The Board of Directors will hold an annual meeting in the month of December in such place as designated by the Board of Directors.

Section 4.04—It will be the responsibility of the Board of Directors to maintain a list of current members. New members will be admitted in the annual meeting, by a majority of the registered and present members.

Section 4.05 -- Members of Centro del Obrero Fronterizo, Inc. elect directly the Directors of the Corporation.

Section 4.06-- Other committees of the membership could be formed in accordance with Article VI, Section 6.10 of these Bylaws.

ARTICLE V

Section 5.01—Number, Qualifications, and Duration of Board of Directors

- a. Number of Directors: The Board of Directors will consist of at least four (4) and no more than seven (7) members who should be residents of El Paso County.

b. Qualifications. With the vote of the members, four (4) representatives shall take the position as directors.

c. Term of Office. The term of office for directors shall be one (1) and two (2) years. The Directors shall split the positions of one and two years, which should be the same in number. From here on, vacant positions shall be supplemented by the members according to the Bylaws.

Section 5.02 -- Resignation. The members of the Board of Directors of Centro Del Obrero Fronterizo, Inc. may resign from their position by presenting in writing their resignation to the principal officer of the Board of Directors. The acceptance of this resignation shall be effective upon receiving such resignation if there is not any inconvenience with the terms set herein.

Section 5.03 -- Annual Meeting. The annual meeting of the Board of Directors of Centro Del Obrero Fronterizo, Inc. shall be in January thirty (30) days after the annual meeting of the Members of the Centro Del Obrero Fronterizo, Inc. and shall be at a place and time designated by the Board of Directors of Centro Del Obrero Fronterizo, Inc.

Section 5.04 -- Regular Meetings. The Board of Directors of Centro Del Obrero, Inc. shall meet at minimum once a year or at other intervals with the minimum of one meeting per year which shall be designated as the annual meeting. Special meetings may be called at the request of the President or by three (3) members of the Board of Directors at the time and place which they designate.

Section 5.05 -- Location of Meetings. Meetings shall be scheduled at the time and place designated by an officer.

Section 5.06 -- Notice. Notice of each meeting of the Board of Directors of Centro Del Obrero Fronterizo, Inc. shall be sent to each Director to their residence or place of employment no later than two (2) days prior to a special meeting and no less than (5) days prior to a regular meeting before the date of the meeting unless otherwise stated by the Bylaws. Each notice shall state the time, the place, who called the meeting and the reason for the meeting. Notice will not be necessary for a Director who waives notice with prior notice. It is not necessary to give notice for a meeting that is adjourned.

Section 5.07 -- Quorum. At the meetings, the presence of fifty-one percent (51%) of the elected Directors of Centro Del Obrero Fronterizo, Inc. shall constitute a Quorum, except when the Bylaws require more members.

Section 5.08 -- President. At all meetings of the Board of Directors of the Corporation, the President shall preside over the meetings and in his absence the Vice-President shall preside. If they are both absent, then the Secretary shall preside over the meeting and in that case, the Secretary shall name a Secretary to take his place at that meeting.

Section 5.09 -- Voting. All matters of the Corporation except cases specified by the Bylaws shall be resolved with a majority vote of the Directors as long as there is a quorum.

Section 5.10 -- Obligation and Responsibilities. The obligations and responsibilities of the Board of Directors of the Centro Del Obrero Fronterizo, Inc. shall be as follows:

a. To establish policies that are in accordance with the purpose of the Centro Del Obrero Fronterizo, Inc.

b. To form necessary committees to accomplish the purpose of the Corporation. These committees shall operate according to the Bylaws of this organization.

Section 5.11 -- Other Obligations and Responsibilities. The Directors of the Corporation have the authority to conduct all business and take action at their meetings or with a committee of the Board of Directors. Verbal agreements can be made without a meeting. These agreements shall be written and sent to the members of the Board of Directors within fourteen (14) days and if more than two-thirds (2/3rds) of the members do not object to such agreement, the agreement shall be considered as approved by the Directors of the Corporation. This must be done within fourteen (14) days.

ARTICLE VI

Section 6.01 -- Committees. The Directors shall have authority to nominate other members of the community to a committee. These committees shall serve at the discretion of the Board of Directors of the Corporation and will provide their services for the benefit and the purposes of Centro Del Obrero Fronterizo, Inc. and are subject to the bylaws of this organization.

Section 6.02 -- Limitations. No section of this Article nor any other article of these Bylaws shall be reason for the Directors of this Corporation to annul the obligations in their care nor adopt policies which nullify the obligations including the obligations of the Corporation.

ARTICLE VII

Section 7.01 -- Titles and Qualifications. The Directors of the Corporation shall be President, Vice President, Secretary and Treasurer. All officers shall be designated by the Board of Directors. The Board of Directors has the authority to create other official positions at their discretion and when they deem them necessary.

Section 7.02 -- Nomination and Term of Office. The Directors of the Board of Directors shall be elected at the annual meeting. Each officer shall hold office until the end of their term of the position which shall be until the following annual meeting and from there until his successor is elected and approved.

Section 7.03 -- Resignation. All officers may resign (as officer) when he so desires by simply submitting in writing to the President of the Board of Directors to the Vice President or the Secretary a letter of resignation. The acceptance of the resignation will be effective without the need of being accepted by the Board of Directors unless it is so requested in the letter of resignation.

Section 7.04 -- Vacancies. Any vacancy in the board or any committee shall be replaced by the President of the Corporation only if and when these nominations are approved or disapproved by the Board of Directors of Centro Del Obrero Fronterizo, Inc. at the next meeting so long as there is a quorum present.

Section 7.05 -- President. The President shall be in charge of the Board of Directors of the Corporation and shall preside over all meetings. He shall have the authority and responsibilities stated in these Bylaws. The President cannot vote at any meeting unless it is to break a tie among the Directors who are present and who voted.

Section 7.06 -- Vice-President. He shall assume the responsibilities of the President in his absence and shall perform all duties delegated to him by the President or by the Board of Directors.

Section 7.07 -- Secretary. The Secretary shall:

- a. Be guardian of all the documents and records of the Corporation.
- b. Keep the minutes of the meetings of the Board of Directors of the Corporation.
- c. Be in charge of the Seal of the Corporation and all financial records.
- d. In general, perform all duties in his care that are not contradictory to the Bylaws of Centro Del Obrero Fronterizo, Inc. and its Articles of the Corporation that are designated occasionally by the Board of Directors of the Corporation.

Section 7.08 -- The Treasurer shall present, in writing as well as verbally, financial reports to the Board of Directors, to the members and to whomever is required. These reports must be approved by the Board of Directors.

Section 7.09 -- Compensation to the Directors and the Officers. The Directors and Officers shall lend their services without compensation. The Board of Directors can authorize the reimbursement of a reasonable expense made by a Director incurred because of his duty and must adhere to the rules and policies of any benefactor of Centro Del Obrero Fronterizo, Inc. and its Bylaws. The Board of Directors can determine a salary or payment to its officers of the Board of Directors.

ARTICLE VIII

Section 8.01 -- Seal. The seal of the Corporation designated as Centro Del Obrero Fronterizo, Inc. shall be in the form of a circle and should have inscribed the name of the Corporation and the State of Texas.

Section 8.02 -- Checks and Banks. All checks, drafts or letters of payment and other documents should be signed by an officer or other person designated by the Board of Directors. The Board with a majority vote shall designate bank to keep custody of all money.

Section 8.03 -- Gifts. The Board of Directors of the Corporation can accept gifts, inheritances, cash, all for the good of accomplishing the purpose of Centro Del Obrero Fronterizo, Inc.

Section 8.04 -- The fiscal year shall be designated by the Board of Directors of the Corporation.

Section 8.05 -- Annual Audit. The audit shall take place one month before the annual meeting, with the exception of the first year the Centro Del Obrero Fronterizo, Inc.

The Board of Directors and the coordinators shall insure the audit is done by an independent firm of certified public accountants and a complete report of accounts shall be presented to the members and the Board of Directors at the annual meeting.

Section 8.06 -- All meetings of the Board of Directors of the Corporation shall be conducted according to the rules of "Robert's Rules of Order", as long as these rules are consistent with the regulations of the State of Texas and the Bylaws of Centro Del Obrero Fronterizo, Inc.

ARTICLE IX

Section 9.01 -- Amendments. The Bylaws may be changed, repealed and new bylaws adopted, as long as it is done by a 2/3 majority of the Board of Directors. The changes shall be conducted at a regular meeting of the Board of Directors, which notice had been given with 14 days anticipation.

Read and approved by the Board of Directors of Centro Del Obrero Fronterizo, Inc. on 29 of December, 1981.

VERONICA ESCOBAR
16TH DISTRICT, TEXAS

ASSISTANT WHIP

HOUSE COMMITTEE ON THE JUDICIARY

SUBCOMMITTEE ON CRIME, TERRORISM,
AND HOMELAND SECURITY

SUBCOMMITTEE ON IMMIGRATION AND CITIZENSHIP

HOUSE ARMED SERVICES COMMITTEE

SUBCOMMITTEE ON
MILITARY PERSONNEL, VICE CHAIR

SUBCOMMITTEE ON CYBER, INNOVATIVE
TECHNOLOGIES, AND INFORMATION SYSTEMS

HOUSE COMMITTEE ON ETHICS

HOUSE SELECT COMMITTEE
ON THE CLIMATE CRISIS



Congress of the United States
House of Representatives
Washington, DC 20515

WASHINGTON D.C. OFFICE:
1505 LONGWORTH HOUSE OFFICE BUILDING
WASHINGTON, DC 20515
(202) 225-4801

EL PASO OFFICE:
321 N. KANSAS STREET, SUITE 1500
EL PASO, TX 79801
(915) 541-1400

<http://veronicebar.house.gov>

VICE CHAIR

DEMOCRATIC WOMEN'S CAUCUS

DEPUTY WHIP

CONGRESSIONAL PROGRESSIVE CAUCUS

CONGRESSIONAL HISPANIC CAUCUS

NEW DEMOCRAT COALITION

March 18, 2022

Michael S. Regan
Administrator
Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

Dear Mr. Regan,

I am writing regarding La Mujer Obrera's community air monitoring campaign and advocacy efforts proposal being submitted in response to the US EPA's Enhanced Air Quality Monitoring for Communities Request for Applications: EPA-OAR-OAQPS-22-01.

La Mujer Obrera's organizing efforts seek to ensure that the most vulnerable populations within the city of El Paso are informed, involved, and protected. With the support from the EPA and in collaboration with a public benefit corporation specializing in hyperlocal air quality and greenhouse gas measurement and analysis, this project seeks to deploy a comprehensive air quality and emissions monitoring campaign on a block-by-block basis and create a Chamizal Community Action plan to address emissions reduction and mitigation.

El Paso was recently ranked #13 for highest ozone pollution, worse than major cities like New York City, Chicago, and Dallas. The proposed monitoring campaign is designed to empower the Chamizal community with data to protect the health and integrity of the 8,000+ residents of the neighborhood. The data will provide a verified baseline with analysis across transportation, environmental justice concerns, known pollution sources, and localized environmental justice screening. Data collection will include multipollutant measurement, including carbon dioxide (CO2), carbon monoxide (CO), nitric oxide (NO), nitrogen dioxide (NO2), ozone (O3), particulate matter (PM2.5), black carbon, methane (CH4), and ethane, which contribute to El Paso's poor air quality and current ozone nonattainment status.

La Mujer Obrera is positioned to lead in these environmental justice efforts because their commitment and contributions to the Chamizal community are built with trust and collaboration with the Familias Unidas del Chamizal Neighborhood Association.

I ask that you give your full and fair consideration, consistent with applicable laws and regulation to the La Mujer Obrera's application.

Sincerely,

Veronica Escobar
Member of Congress



**COUNTY OF EL PASO
DAVID C. STOUT
COUNTY COMMISSIONER, PRECINCT TWO**

March 18, 2022

Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

Re: US EPA's Enhanced Air Quality Monitoring for Communities Request for Applications: EPA-OAR-OAQPS-22-01

To Whom it May Concern:

I am pleased to provide this Letter of Support for La Mujer Obrera's community air monitoring campaign and advocacy efforts proposal submitted in response to the US EPA's Enhanced Air Quality Monitoring for Communities Request for Applications: EPA-OAR-OAQPS-22-01.

La Mujer Obrera's organizing efforts seek to ensure that the most vulnerable populations within the city of El Paso are informed, involved and protected. With the support from the EPA and in collaboration with a public benefit corporation specializing in hyperlocal air quality and greenhouse gas measurement and analysis, this project seeks to deploy a comprehensive air quality and emissions monitoring campaign on a block-by-block basis and create a Chamizal Community Action plan to address emissions reduction and mitigation.

El Paso was recently ranked #13 for highest ozone pollution, worse than major cities like New York City, Chicago and Dallas. The proposed monitoring campaign is designed to empower the Chamizal community with data to protect the health and integrity of the 8,000+ residents of the neighborhood, which is next to an international border crossing and surrounded by a network of highways. The data will provide a verified baseline with analysis across transportation, environmental justice concerns, known pollution sources, and localized environmental justice screening. Data collection will include multipollutant measurement, including carbon dioxide (CO₂), carbon monoxide (CO), nitric oxide (NO), nitrogen dioxide (NO₂), ozone (O₃), particulate matter (PM_{2.5}), black carbon, methane (CH₄), and ethane, which contribute to El Paso's poor air quality and current ozone nonattainment status.

La Mujer Obrera is positioned to lead in these environmental justice efforts because their commitment and contributions to the Chamizal community are built with trust and collaboration with residents and families. La Mujer Obrera's organizing project, Familias Unidas del Chamizal, has organized successful community-driven environmental justice campaigns in the Chamizal neighborhood, to include demands for regulations, the need for accurate data, and comprehensive mitigation planning.

On a personal note, I have worked with Familias and witnessed first-hand their commitment to reversing decades-old problems, including industrial facilities close to neighborhoods and schools, and the effects of recent decisions, such as placing a bus hub next to Bowie High School. There is a lack of adequate data in our entire airshed, but a visual review makes clear that this place, closest the Rio Grande and at the low

**An Equal Opportunity Employer
500 E. San Antonio Suite 301, El Paso, TX 79901
Phone: (915) 546-2111 Fax: (915) 543-3854
Email: commissioner2@epcounty.com**

ED_013931A_00001580-00002



The University of Texas
Health Science Center at Houston

March 14, 2022

School of Public Health
El Paso Campus

Department of Health Promotion and Behavioral Sciences

Louis D. Brown, Ph.D.
Associate Professor

Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

Dear Review Committee Members,

I am pleased to provide this Letter of Support for La Mujer Obrera's community air monitoring campaign and advocacy efforts proposal being submitted in response to the US EPA's Enhanced Air Quality Monitoring for Communities Request for Applications: EPA-OAR-OAQPS-22-01.

I have worked to support La Mujer Obrera's organizing efforts to address environmental concerns among the most vulnerable populations within El Paso. With the support from the EPA and in collaboration with a public benefit corporation specializing in hyperlocal air quality and greenhouse gas measurement and analysis, this project seeks to deploy a comprehensive air quality and emissions monitoring campaign on a block-by-block basis and create a Chamizal Community Action plan to address emissions reduction and mitigation.

El Paso has some of the highest levels of ozone pollution in the US, worse than major cities like New York, Chicago and Dallas. The proposed monitoring campaign is designed to empower the Chamizal community with data to protect the health and integrity of the 8,000+ residents of the neighborhood. The data will provide a verified baseline with analysis across transportation, environmental justice concerns, known pollution sources, and localized environmental justice screening. Data collection will include multipollutant measurement, including carbon dioxide (CO₂), carbon monoxide (CO), nitric oxide (NO), nitrogen dioxide (NO₂), ozone (O₃), particulate matter (PM_{2.5}), methane (CH₄), and ethane, which contribute to El Paso's poor air quality and current ozone nonattainment status.

La Mujer Obrera is positioned to lead in these environmental justice efforts because their commitment and contributions to the Chamizal community are built with trust and collaboration with residents and families. La Mujer Obrera's organizing project, Familias Unidas del Chamizal has organized successful community-driven environmental justice campaigns in the Chamizal neighborhood, to include demands for regulations, the need for accurate data and comprehensive mitigation planning.

We appreciate this historic EPA funding to frontline communities to address environmental injustice. We urge the EPA to fund this important advocacy and data collection proposal. Thank you for your consideration.

Sincerely,

Louis D. Brown



THE LAW OFFICE OF
**DAVID R.
BAAKE**

March 14, 2022

Tim Roberts
U.S. Environmental Protection Agency
Office of Air and Radiation
AirMonitoring@epa.gov

Dear Mr. Roberts:

I am pleased to support La Mujer Obrera's application in response to the U.S. EPA's Enhanced Air Quality Monitoring for Communities Request for Applications: EPA-OAR-OAQPS-22-01.

I have had the pleasure of working with La Mujer Obrera (and its organizing project, Familias Unidas del Chamizal) since 2018 in advocating for federal, state, and local policies to reduce air pollution in El Paso, TX. In November 2021, as a direct result of advocacy by Familias Unidas del Chamizal, EPA designated El Paso as a nonattainment area for the 2015 ozone NAAQS. I have found La Mujer Obrera to be an exceptionally effective advocacy organization. Their dogged activism has succeeded in drawing unprecedented attention to air quality issues affecting vulnerable populations in El Paso. To cite one recent example, activists working with this group coordinated with reporters at NBC News to facilitate the filming of a television feature that drew attention to air pollution in El Paso. <https://www.nbcnews.com/news/latino/-dumping-ground-latina-moms-texas-border-city-are-fighting-air-pollution-rcna16789>.

This proposal will allow La Mujer Obrera to continue its top-notch advocacy, while also providing much needed information to residents of the El Paso community about the hazards associated with elevated levels of air pollution. With the support from the EPA and in collaboration with a public benefit corporation specializing in hyperlocal air quality and greenhouse gas measurement and analysis, La Mujer Obrera will deploy a comprehensive air quality and emissions monitoring campaign that will provide data on a block-by-block basis in the Chamizal neighborhood—one of the most polluted areas in El Paso. The campaign will also create a Chamizal Community Action plan to address harmful emissions.

The data collected by this project will provide a verified baseline with analysis across transportation, environmental justice concerns, known pollution sources, and



Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

To Whom it May Concern,

I am pleased to provide this Letter of Support for La Mujer Obrera's community air monitoring campaign and advocacy efforts proposal being submitted in response to the US EPA's Enhanced Air Quality Monitoring for Communities Request for Applications: EPA-OAR-OAQPS-22-01.

La Mujer Obrera's organizing efforts seek to ensure that the most vulnerable populations within the city of El Paso are informed, involved, and protected. With the support from the EPA and in collaboration with a public benefit corporation specializing in hyperlocal air quality and greenhouse gas measurement and analysis, this project seeks to deploy a comprehensive air quality and emissions monitoring campaign on a block-by-block basis and create a Chamizal Community Action plan to address emissions reduction and mitigation.

El Paso was recently ranked #13 for highest ozone pollution, worse than major cities like New York City, Chicago, and Dallas. The proposed monitoring campaign is designed to empower the Chamizal community with data to protect the health and integrity of the 8,000+ residents of the neighborhood. The data will provide a verified baseline with analysis across transportation, environmental justice concerns, known pollution sources, and localized environmental justice screening. Data collection will include multipollutant measurement, including carbon dioxide (CO₂), carbon monoxide (CO), nitric oxide (NO), nitrogen dioxide (NO₂), ozone (O₃), particulate matter (PM_{2.5}), black carbon, methane (CH₄), and ethane, which contribute to El Paso's poor air quality and current ozone nonattainment status.

La Mujer Obrera is positioned to lead in these environmental justice efforts because their commitment and contributions to the Chamizal community are built with trust and collaboration with residents and families. La Mujer Obrera's organizing project, Familias Unidas del Chamizal has organized successful community-driven environmental justice campaigns in the Chamizal neighborhood, to include demands for regulations, the need for accurate data and comprehensive mitigation planning.

We appreciate President Biden's commitment through this historic EPA funding to frontline communities to end environmental injustice. We urge the EPA to fund this important advocacy and data collection proposal. Thank you for your time and attention.

Sincerely,

Shelby Ruff
President of the Board of Directors
Eco El Paso

High Desert

NATIVE PLANTS LLC

5404 Fleetwood Rd. El Paso, TX 79932 | 915-490-8601
www.highdesertnativeplants.com | info@highdesertnativeplants.com

March 15, 2022

Attn: Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

To Whom it May Concern -

I am pleased to provide this Letter of Support for La Mujer Obrera's community air monitoring campaign and advocacy efforts proposal being submitted in response to the US EPA's Enhanced Air Quality Monitoring for Communities Request for Applications: EPA-OAR-OAQPS-22-01.

La Mujer Obrera's organizing efforts seek to ensure that the most vulnerable populations within the city of El Paso are informed, involved and protected. With the support from the EPA and in collaboration with a public benefit corporation specializing in hyperlocal air quality and greenhouse gas measurement and analysis, this project seeks to deploy a comprehensive air quality and emissions monitoring campaign on a block-by-block basis and create a Chamizal Community Action plan to address emissions reduction and mitigation.

El Paso was recently ranked #13 for highest ozone pollution, worse than major cities like New York City, Chicago and Dallas. The proposed monitoring campaign is designed to empower the Chamizal community with data to protect the health and integrity of the 8,000+ residents of the neighborhood. The data will provide a verified baseline with analysis across transportation, environmental justice concerns, known pollution sources, and localized environmental justice screening. Data collection will include multipollutant measurement, including carbon dioxide (CO₂), carbon monoxide (CO), nitric oxide (NO), nitrogen dioxide (NO₂), ozone (O₃), particulate matter (PM_{2.5}), black carbon, methane (CH₄), and ethane, which contribute to El Paso's poor air quality and current ozone nonattainment status.

La Mujer Obrera is positioned to lead in these environmental justice efforts because their commitment and contributions to the Chamizal community are built with trust and collaboration with residents and families. La Mujer Obrera's organizing project, Familias Unidas del Chamizal has organized successful community-driven environmental justice campaigns in the Chamizal neighborhood, to include demands for regulations, the need for accurate data and comprehensive mitigation planning.

High Desert Native Plants is proud to be working in conjunction with La Mujer Obrera on projects to implement environmental remediation projects in the Chamizal area of El Paso, and this funding will further their efforts to achieve environmental justice in our most vulnerable neighborhoods.

We appreciate President Biden's commitment through this historic EPA funding to frontline communities in order to end environmental injustice. We urge the EPA to fund this important advocacy and data collection proposal. Thank you for your time and attention.

Sincerely,



Michael D. Gaglio
Biologist/Managing Member
"Everything with conservation in mind"



Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

To Whom it May Concern,

I am pleased to provide this Letter of Support for La Mujer Obrera's application for a community air monitoring project submitted in response to the US EPA's Enhanced Air Quality Monitoring for Communities Request for Applications: EPA-OAR-OAQPS-22-01.

The Sierra Club has had the pleasure of working with La Mujer Obrera (and its project Familias Unidas del Chamizal) in advocating for federal, state, and local policies to reduce air pollution in El Paso, TX to include a challenge that led to the EPA's expansion of a regional nonattainment area to include El Paso in the nonattainment area for the 2015 ozone NAAQS.

La Mujer Obrera's organizing efforts through Familias Unidas del Chamizal seek to ensure that the most vulnerable populations within the city of El Paso are informed, involved, and protected. With the support from the EPA and in collaboration with a specialist in hyperlocal air quality and greenhouse gas measurement and analysis, their proposed project seeks to deploy a comprehensive, accurate air quality and emissions monitoring system on a block-by-block basis that will pair well with the creation of a Chamizal Community Action plan to monitor and address emissions through mitigation planning.

La Mujer Obrera is positioned to lead in these environmental justice efforts because of their commitment and history of building trust and collaborating with families and residents of the Chamizal community.

We appreciate President Biden's commitment to address environmental injustice through this historic EPA funding opportunity for frontline communities. We urge the EPA to fund this important advocacy and data collection proposal. Thank you for your time and attention.

Sincerely,

Antoinette Reyes

575-342-1727

Antoinette.Reyes@SierraClub.org

1300 COMMERCE STREET
DALLAS, TX 75242-0000

Date: 11 MAY 1988

CENTRO DEL OBRERO FRONTERIZO
INCORPORATED
1113 EAST YANDELL
EL PASO, TX 79903

Employer Identification Number:
74-2219654
Contact Person:
EO TECHNICAL ASSISTOR
Contact Telephone Number:
(214) 767-3526

Our letter dated:
February, 1982
Caveat Applies:
N/A

Dear Applicant

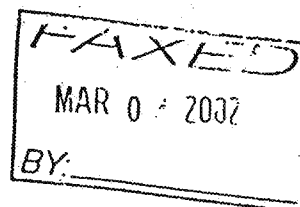
This modifies our letter of the above date in which we stated that you would be treated as an organization which is not a private foundation until the expiration of your advance ruling period.

Based on the information you submitted, we have determined that you are not a private foundation within the meaning of section 509(a) of the Internal Revenue Code because you are an organization of the type described in section 509(a)(1) and 170(b)(1)(A)(vi). Your exempt status under Code section 501(c)(3) is still in effect.

Grantors and contributors may rely on this determination until the Internal Revenue Service publishes notice to the contrary. However, if you lose your section 509(a)(1) status, a grantor or contributor may not rely on this determination if he or she was in part responsible for, or was aware of, the act or failure to act that resulted in your loss of such status, or acquired knowledge that the Internal Revenue Service had given notice that you would be removed from classification as a section 509(a)(1) organization.

If the heading of this letter indicates that a caveat applies, the caveat below or on the enclosure is an integral part of this letter.

Because this letter could help resolve any questions about your private foundation status, please keep it in your permanent records.

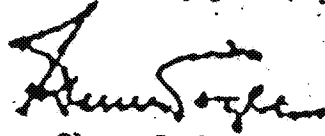


Letter 1050(DJ/CG)

CENTRO DEL OBRERO FRONTERIZO

If you have any questions, please contact the person whose name and telephone number are shown above.

Sincerely yours,

A handwritten signature in dark ink, appearing to read "Glenn Cagle", written over a horizontal line.

Glenn Cagle
District Director

Letter 1050(DO/M)

